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HEALTH REPORT

FOR THE

CITY OF NEWARK

1942

HON. JOHN A. BRADY, Director,
Department of Public Affairs

Department of Health, Newark, N. J.
CHARLES V. CRASTER, M.D., D.P.H.,
Health Officer.

WAR AND HEALTH

THE IMPACT OF WAR HAS NOT AS YET CREATED ANY HEALTH PROBLEMS WHICH HAVE NOT BEEN EASILY MET AND SURMOUNTED.

GIVEN A REASONABLE ASSURANCE OF GOVERNMENT ASSISTANCE WHERE HOUSING AND FEEDING OF THE PEOPLE IS CONCERNED, WE NEED NOT FEAR THAT THE GENERAL HEALTH AND WELFARE OF THE CIVIL POPULATION WILL BE IN SERIOUS JEOPARDY IN THE DAYS TO COME.

Charles V. Craster
M.D., D.P.H.
HEALTH OFFICER, NEWARK, N.J.

STATISTICAL STUDIES AND EDITING OF THIS REPORT BY ROBERT F. MORGAN 2ND ASST. HEALTH OFFICER

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HEALTH RERORT - 1942

NEWARK, N.J.

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CHARLES V. CRASTER, M.D., D.P.H. -- HEALTH OFFICER

TO HONORABLE JOHN A. BRADY, DIRECTOR OF PUBLIC AFFAIRS

AND TO THE CITIZENS OF NEWARK, N. J.

TOPICAL STUDIES BY THE HEALTH OFFICER

WAR PRESENTS NEW PROBLEMS

THE YEAR 1942 BEING THE FIRST YEAR OF THE SECOND WORLD WAR HAS PRESENTED THE BEGINNING OF MANY NEW PROBLEMS AFFECTING HEALTH. THESE ARE IN THE MAIN, PROBLEMS OF SOCIAL AND ADMINISTRATIVE SERVICE SUCH AS THE FEEDING OF LARGE MASSES OF PEOPLE IN THE MILITARY ORGANIZATIONS AND WAR AND DEFENSE PLANTS. TO THIS IS TIED UP, OF COURSE, NUTRITION AND ITS PROBLEMS, PROPER FEEDING WITHIN THE NECESSARY LIMITATIONS OF A RESTRICTED MARKET AND THE RATIONING OF ESSENTIAL FOOD MATERIALS.

MORE IMPORTANT TO HEALTH, HOWEVER, IS THE CONTROL OF COMMUNICABLE DISEASE AMONG LARGE AND INCREASING GROUPS OF PEOPLE IN WAR WORK AND DEFENSE INDUSTRIES. HEALTH ORGANIZATIONS, TO COPE WITH THESE PROBLEMS, WILL REQUIRE NEW APPROACHES, NEW WEAPONS AND A WIDER KNOWLEDGE OF DISEASE SPREAD AMONG THE AVERAGE INDIVIDUAL. INDUSTRIAL HYGIENE LOOMS LARGE UPON THE HORIZON OF FUTURE HEALTH EFFORTS. IT IS ESSENTIAL THAT A LARGE AMOUNT OF OUR ACTIVITY SHOULD BE DEVOTED TO THE MAINTENANCE OF HEALTH AMONG OUR WAR WORKERS AND TO SPREAD THIS EFFORT TO THE FAMILIES IN THE HOMES AS WELL, IN ORDER TO SEE THAT NO PREVENTABLE CAUSE IS BRINGING ABOUT UNNECESSARY ABSENTEEISM.

THE HOUSING SITUATION IN NEWARK

IN THIS CITY, HOUSING HAS BEEN FOR MANY YEARS, AN ACUTE PROBLEM. THERE ARE CERTAIN WARDS IN THE CITY, PARTICULARLY THE THIRD, WHERE THE RATE OF HOUSE DETERIORATION HAS BEEN SUCH THAT MANY BUILDINGS USED FOR OCCUPANCY OF THOUSANDS OF INDIVIDUALS ARE AT PRESENT UNFIT FOR HUMAN HABITATION. THE ONSET OF THE WAR WITH THE CONSEQUENT INCREASE IN THE NUMBER OF WORKERS HAS BROUGHT ABOUT UNDESIRABLE AND DANGEROUS OVERCROWDING. WE ARE THEREFORE FACED WITH A STEADILY DECREASING NUMBER OF SUITABLE HOMES AND AN INCREASING DEMAND FOR THEM AMONG OUR WORKING GROUPS.

THE 1934 SURVEY

ACCORDING TO A COMPREHENSIVE HOUSING SURVEY MADE IN 1934 BY THIS DEPARTMENT UNDER C.W.A. AUSPICES, IT WAS RECORDED THAT 8,558 FAMILIES COMPRISING 57,636 PERSONS WERE FOUND TO BE LIVING IN SUBSTANDARD AND OVERCROWDED DWELLINGS. SIMILARLY IN 1937 A HOUSING SURVEY OF THE THIRD WARD BROUGHT TO LIGHT A MOST REVEALING PICTURE OF THE INADEQUATE AND INSANITARY CIRCUMSTANCES UNDER WHICH THE RESIDENTS OF THIS AREA ARE COMPELLED TO LIVE. OF A TOTAL OF 2,000 DWELLINGS SURVEYED, ONLY 7% WERE IN GOOD CONDITION WHILE 15% WERE TOTALLY UNFIT FOR HUMAN HABITATION. IN OTHER WORDS, THE HEALTH DEPARTMENT SHOULD IMMEDIATELY ELIMINATE 300 DWELLING STRUCTURES DEMONSTRATED TO BE UNFIT FOR LIVING PURPOSES, AND SECURE MAJOR OR MINOR REPAIRS TO 84% OF THE BALANCE.

THE DEMOLITION OF THESE BUILDINGS WOULD ONLY AGGRAVATE THE HOUSING PROBLEM BY DISPLACING MORE THAN 750 FAMILIES WHO WOULD HAVE NO SUITABLE HOMES TO LIVE IN. IT MUST NOT BE CONSIDERED THAT THESE CONDITIONS EXIST ONLY IN THE THIRD WARD FOR MANY OTHER WARDS OF THE CITY HAVE SIMILAR SLUM CONDITIONS.

SHALL NEWARK BECOME A SLUM CITY?

THE QUESTION TO CONSIDER IS - SHALL NEWARK BE ALLOWED TO SINK INTO A MORASS OF SLUM BUILDINGS AND BECOME A SLUM CITY BECAUSE OF A LACK OF A PROGRAM FOR DECENT HOUSING CONDITIONS.

THIS IS NOT A NEW PROBLEM. THE YEARS HAVE STEADILY INCREASED THE NUMBER OF DILAPIDATED AND BROKEN DOWN DWELLINGS. THE SITUATION IS COMPLEX AND INVOLVES SOCIAL AND ECONOMIC FACTORS.

THE LACK OF PROPER DWELLINGS IN THE CITY MUST BE FACED. IS IT NOT VITALLY NECESSARY TO WORK OUT A POST-WAR PROGRAM OF BUILDING SUITABLE HOUSES FOR OUR WORKING PEOPLE? A BROAD PLAN SHOULD LOOK FORWARD TO THE USE OF FEDERAL, STATE OR MUNICIPAL FUNDS TO BE ADMINISTERED BY A PLANNING BOARD MADE UP OF REAL ESTATE AGENTS, ARCHITECTS AND BUILDERS WHO COULD DRAW UP A LONG RANGE PLAN OF BUILDINGS SO THAT OUR SLUM AREAS MAY BE ELIMINATED

AND REPLACED BY UP-TO-DATE HOMES.

THE SLUM CLEARANCE PROGRAM INITIATED IN 1938 UNDER THE WAGNER-STEGALL ACT AND SUBSEQUENTLY THE U. S. HOUSING AUTHORITY DEMONSTRATED REMARKABLE PROGRESS UP TO THE TIME WAR INTERVENED. A LONG RANGE PLAN OF BUILDING FOR NEWARK IS NECESSARY TO SAFEGUARD THE HEALTH, MORALS, SAFETY, COMFORT AND GENERAL WELFARE OF THE PEOPLE OF NEWARK.

THIS LONG RANGE PLAN SHOULD EMBRACE THE FOLLOWING POINTS, OVER A PERIOD OF YEARS:

1. REVISION OF THE BUILDING, FIRE AND SANITARY CODES MAKING IT MANDATORY FOR OWNERS OF DWELLINGS TO REMODEL OLD BUILDINGS IN ACCORDANCE WITH MODERN STANDARDS OF LIVING.
2. COMPULSORY DEMOLITION OF ALL THOSE STRUCTURES BEYOND REHABILITATION AND DECLARED UNFIT FOR HABITATION.
3. THE ADOPTION OF SELF LIQUIDATING LONG TERM MUNICIPAL BONDS TO ASSIST IN FINANCING THE REBUILDING AND REHABILITATION PROGRAM.
4. STATE SUBSIDIES BY BOND ISSUANCE OR DIVERTING SURPLUS ROAD FUNDS TO HELP FINANCE BUILDING AND SLUM CLEARANCE PROGRAMS.
5. F.H.A. LOANS TO PROPERTY OWNERS WITH AN EQUITABLE INVESTMENT BY THE MUNICIPALITY FOR THE DEVELOPMENT OF REBUILDING AND SLUM CLEARANCE PROGRAMS.
6. LEGISLATION GIVING POWERS TO ACT IN THE NEW PROGRAMS FOR BETTER HOMES FOR WORKERS IN THE CITY.

WHOOPING COUGH - DIPHTHERIA IMMUNIZATION

ON APRIL 1ST, 1942, THE DEPARTMENT INAUGURATED A CAMPAIGN FOR THE IMMUNIZATION OF CHILDREN AGAINST WHOOPING COUGH AND DIPHTHERIA WITH A COMBINED MATERIAL. THE TREATMENT CONSITS OF THREE INJECTIONS, ONE MONTH APART. THE DOSAGE IS 1 C.C. IN EACH INJECTION OF ALUM TOXOID FOR DIPHTHERIA TO WHICH HAS BEEN ADDED 10 BILLION KILLED PERTUSSIS BACILLI FOR EACH 1 C.C. DOSE. IN THIS MANNER, 4,037 PRESCHOOL CHILDREN WERE IMMUNIZED DURING THE YEAR. BETWEEN JANUARY, 1941 AND JUNE, 1942, 6,790 OTHER PRE-SCHOOL CHILDREN WERE IMMUNIZED AGAINST WHOOPING COUGH ALONE. THIS MAKES A TOTAL IN THE PAST TWO YEARS OF 10,827 WHOOPING COUGH IMMUNIZATIONS IN THE PRE-SCHOOL GROUP.

A SIMILAR TYPE OF COMBINED MATERIAL, WITH ONLY TWO INJECTIONS, WAS TRIED AS RESEARCH BY THE DEPARTMENT IN 1940. OUT OF 800 PRE-SCHOOL CHILDREN SO TREATED, OVER 600 WERE LATER TESTED AND SHOWED 98.5% NEGATIVE BY SCHICK TEST. ALTHOUGH THE TOTAL KILLED PERTUSSIS ORGANISMS BEING USED IN OUR PRESENT SERIES IS CONSIDERABLY LESS THAN THE AMOUNT USED FOR PERTUSSIS VACCINATION ALONE, WE BELIEVE CONSIDERABLE PROTECTION WILL BE AFFORDED. THE INTERVAL OF ONE MONTH BETWEEN INJECTIONS IS CONSIDERED MORE EFFICIENT THAN THE ONE WEEK INTERVAL USED WITH THE STRAIGHT MATERIAL. IN ADDITION TO THAT, THERE HAS BEEN LABORATORY EVIDENCE THAT THE ADDITION OF ALUM ALSO ADDS TO THE IMMUNIZING VALUE OF THE MATERIAL. IT WILL NATURALLY BE SOME TIME BEFORE SUFFICIENT CASE RATES AND SEVERITY RATES CAN BE DETERMINED FROM WHICH TO JUDGE THE VALUE OF THIS COMBINED MATERIAL IN SO FAR AS WHOOPING COUGH IS CONCERNED. THERE IS ALREADY, HOWEVER, FAVORABLE EVIDENCE. IN A NUMBER OF FAMILIES THE CHILD SO TREATED HAD BEEN EXPOSED TO A BROTHER OR SISTER WITH WHOOPING COUGH AND EITHER DID NOT DEVELOP THE DISEASE OR DEVELOPED IT TO A VERY MILD DEGREE.

ANOTHER REASON FOR THE ADOPTION OF THIS COMBINED MATERIAL IS OUR DESIRE TO MAINTAIN A DIPHTHERIA-FREE COMMUNITY. WITH DIPHTHERIA PRACTICALLY ELIMINATED (ONLY TWO CASES AND NO DEATHS IN OVER THREE YEARS) YOUNG MOTHERS WILL UNQUESTIONABLY BECOME CARELESS AND NEGLECT IMMUNIZATION. WHOOPING COUGH, HOWEVER, WILL ALWAYS BE PRESENT AND OUR EXPERIENCE SHOWS THAT EVEN THE YOUNGEST MOTHER REALIZES THE SUFFERING CAUSED BY THAT DISEASE. BY LIMITING OUR WHOOPING COUGH IMMUNIZATION TO THE COMBINED MATERIAL, WE ARE THEREFORE AUTOMATICALLY CONTINUING DIPHTHERIA PROTECTION.

CIVILIAN DEFENSE WORK

THE HEALTH DEPARTMENT HAS NATURALLY BEEN CALLED UPON TO PLAY A MAJOR PART IN THE CIVILIAN DEFENSE PROGRAM. OUR PRINCIPAL FUNCTION HAS BEEN EMERGENCY MEDICAL WORK WITH MYSELF AS HEALTH OFFICER, SERVING AS CHAIRMAN OF THAT COMMITTEE. PRACTICALLY EVER EMPLOYEE OF THE HEALTH DEPARTMENT INCLUDING DOCTORS, NURSES, INSPECTORS AND GENERAL EMPLOYEES HAVE FAITHFULLY PRACTICED THEIR ASSIGNMENTS IN THIS PROGRAM.

IN ADDITION TO A CONTROL HEADQUARTERS IN THE BOARD ROOM OF THE HEALTH DEPARTMENT, THERE ARE FIVE CITY SECTOR MESSAGE HEADQUARTERS AS WELL AS 28 CASUALTY STATIONS. ALL OF THESE HEADQUARTERS AND CASUALTY STATIONS ARE MANNED BY HEALTH EMPLOYEES WITH THE EXCEPTION OF 9 CASUALTY STATIONS LOCATED IN THE HOSPITALS WHICH ARE UNDER DIRECT SUPERVISION OF THE RED CROSS. ALL OF THESE EMPLOYEES COMPLETED THE RED CROSS FIRST AID COURSE.

GENERAL MORTALITY

ESTIMATED TOTAL POPULATION - 429,000
ESTIMATED NEGRO POPULATION - 45,000

CRUDE RATE
11.9 PER 1,000

THE CITY OF NEWARK CONTINUED TO MAINTAIN ITS EXCELLENT HEALTH STATUS DURING THE YEAR 1942. THE GENERAL CRUDE DEATH RATE WAS 11.9 PER 1,000 POPULATION COMPARED WITH 11.6 IN 1941 AND 11.7 IN 1940. DEATHS TOTALED 5,090 AS COMPARED WITH 4,983 LAST YEAR AND 5,025 IN 1940. THIS RATE AND MANY OTHERS WOULD BE SOMEWHAT LOWER IF ADJUSTMENT WERE MADE FOR THE INFLUX OF OUTSIDERS AND CONSEQUENT POPULATION INCREASE STARTING EARLY IN THE YEAR. THAT ADJUSTMENT WILL BE MADE FOR 1943, WHEN THE POPULATION ESTIMATE WILL BE 440,000 COMPARED WITH 429,000 IN USE FOR 1942. ON THAT BASIS, THE RATE WOULD HAVE BEEN 11.6.

ADJUSTED RATE
10.8 PER 1,000

AS NEWARK IS A HOSPITAL CENTER FOR OUR METROPOLITAN DISTRICT, THE DEATHS OF NON-RESIDENTS IN THE CITY FAR OUTNUMBERED THE DEATHS OF NEWARKERS ELSEWHERE. SUBTRACTING THE 763 NON-RESIDENT DEATHS DURING 1942 AND ADDING 166 DEATHS OF NEWARKERS KNOWN TO HAVE DIED ELSEWHERE, WE HAVE AN ADJUSTED TOTAL OF 4,659 DEATHS AND AN ADJUSTED DEATH RATE OF 10.8 PER 1,000.

CRUDE AND ADJUSTED DEATH RATES *

YEAR	POPULATION *	CRUDE DEATHS	CRUDE DEATH RATE	ADJUSTED DEATHS	ADJUSTED DEATH RATE
1935	455,000	4,806	10.6	4,411	9.7
1936	457,000	5,108	11.2	4,714	10.3
1937	458,000	5,061	11.0	4,600	10.1
1938	458,000	5,116	10.9	4,480	9.8
1939	459,000	4,855	10.6	4,384	9.6
1940	429,000	5,025	11.7	4,762	11.1
1941	429,000	5,127	11.6	4,415	10.3
1942	429,000	5,256	11.9	4,659	10.8

* OVER-ESTIMATION OF POPULATION AS SHOWN BY THE 1940 CENSUS NATURALLY MADE ESTIMATED RATES MUCH LOWER THAN IF ESTIMATE HAD BEEN CORRECT.

PRINCIPAL CAUSES OF DEATH

ORGANIC HEART DISEASE - STILL INCREASING

ORGANIC HEART DISEASE WHICH HAS BEEN BY FAR THE OUTSTANDING CAUSE OF DEATH FOR SEVERAL YEARS, CONTINUED ITS STEADY INCREASE, WITH 1,756 DEATHS AS COMPARED WITH 1,530 LAST YEAR AND 1,360 IN 1940, BOTH FIGURES BEING THE HIGHEST RECORDED TO THAT TIME. THIS IS MORE THAN TRIPLE THE NUMBER OF SUCH DEATHS REPORTED 25 YEARS AGO. AT THAT TIME, WE AVERAGED 500 DEATHS. BY 1927 IT REACHED 1,000 AND HAS CONTINUED THAT TREND WITHOUT EXCEPTION. THERE IS NO QUESTION BUT THAT THIS CONDITION CALLS FOR SERIOUS CONSIDERATION, ESPECIALLY IN MIDDLE AGE ADULTS. ALTHOUGH SCIENCE HAS GIVEN US THE MEANS OF REDUCING AND OFTEN ELIMINATING MANY PREVIOUS CAUSES OF DEATH, IT HAS ALSO DEVELOPED A CIVILIZATION OF HIGH TENSION AND NERVE STRAIN. STIMULATING TYPES OF ENTERTAINMENT, LATE HOURS, IMPROPER CLOTHING AND DIET ALL CONTRIBUTE TO WEAKENING THE MOST IMPORTANT ORGAN IN THE HUMAN BODY. ADMITTEDLY, HEART DISEASE COULD NOT HELP BUT SHOW AN INCREASE DUE TO THE FACT THAT IT IS A DEGENERATIVE CONDITION OF OLD AGE AND THE INCREASING LIFE SPAN WILL NATURALLY CAUSE MANY INDIVIDUALS TO REACH THAT AGE WHO WOULD OTHERWISE HAVE DIED IN YOUTH OR MIDDLE AGE. THE PROPORTION OF DEATHS UNDER 65 YEARS OF AGE HAS BEEN STEADILY DECREASING. TWENTY-FIVE YEARS AGO, ONLY 18% OF OUR NEWARK DEATHS HAD REACHED 65. TODAY, THIS PROPORTION HAS REACHED ALMOST 40%.

DEATHS AND DEATH RATES BY CAUSE (TOTAL & NEGRO)

CAUSE	TOTAL				NEGRO			
	1942		1941		1942		1941	
	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS
INFANTILE PARALYSIS	0.4	2	0.7	3	-	-	-	-
TYPHOID FEVER	-	-	-	-	-	-	-	-
MEASLES	0.9	4	0.2	1	4.4	2	-	-
SCARLET FEVER	0.2	1	-	-	-	-	-	-
WHOOPING COUGH	0.7	3	0.9	4	4.4	2	4.4	2
DIPHTHERIA	-	-	-	-	-	-	-	-
INFLUENZA	1.2	5	4.4	19	2.2	1	6.7	3
EPIDEM. MENING. (CEB. SPIN.)	1.2	5	0.2	1	2.2	1	-	-
OTHER EPIDEMIC DISEASES	-	-	-	-	-	-	-	-
TUBERCULOSIS OF LUNGS	60.8	261	54.8	235	244.4	110	211.1	95
TUBERCULOSIS MENINGITIS	2.6	11	3.0	13	13.3	6	24.4	11
OTHER TUBERCULOSIS	3.7	16	6.1	26	20.0	9	28.9	13
CANCER, MALIGNANT TUMOR	140.3	601	153.8	660	82.2	37	91.1	41
SIMPLE MENINGITIS	5.8	25	3.0	13	15.6	7	11.1	5
APOPLEXY - SOFT. OF BRAIN	99.1	425	96.7	415	126.7	57	113.3	51
ORGANIC HEART DISEASE	409.3	1756	356.6	1530	375.5	169	295.5	133
BRONCHITIS	2.6	11	1.2	5	-	-	-	-
PNEUMONIA, LOBAR	33.6	144	29.1	125	80.0	36	57.8	26
PNEUMONIA, BRONCHO	23.8	102	27.7	119	37.8	17	28.9	13
OTHER RESPIRATORY DISEASES	42.9	184	38.9	167	42.2	19	53.3	24
STOMACH	7.9	34	7.0	30	6.7	3	4.4	2
DIARRHOEA (UNDER 5 YRS)	2.8	12	3.3	13	8.9	4	8.9	4
APPENDICITIS & TYPHILITIS	7.9	34	10.5	45	6.7	3	26.7	12
HERNIA, INTEST. OBSTRUC.	15.6	67	11.7	50	24.4	11	26.7	12
CIRRHOSIS OF LIVER	7.9	34	11.0	47	4.4	2	8.9	4
BRIGHT'S DISEASE & NEPHRITIS	51.3	223	51.7	222	88.9	40	77.8	35
DISEASES OF WOMEN (NOT CANCER)	2.3	10	0.9	4	13.3	6	6.7	3
PUERPERAL SEPTICAEMIA	0.4	2	1.2	5	-	-	4.4	2
OTHER PUERPERAL DISEASES	4.6	20	4.9	21	2.2	1	6.7	3
CONG. DEBILITY & MALF.	61.1	262	56.6	243	93.3	42	100.0	45
OLD AGE	7.0	30	10.0	43	6.7	3	6.7	3
ACCIDENT	62.9	271	54.8	235	73.3	33	62.2	28
HOMICIDE	5.1	22	4.4	19	33.3	15	24.4	11
SUICIDE	15.4	66	12.8	55	8.9	4	2.2	1
ILL DEFINED CAUSES	9.8	42	11.9	51	20.0	9	15.6	7
ALL OTHER CAUSES	133.1	571	165.0	708	160.0	72	162.2	73

CANCER

CANCER AGAIN WAS THE SECOND GREATEST CAUSE OF DEATH WITH 601. ALTHOUGH THIS IS A DECREASE OF 35 FROM LAST YEAR, THE CAUSE IS INCREASING SLOWLY BUT STEADILY FROM AN AVERAGE OF 500 DEATHS PER YEAR, TEN YEARS AGO. PRACTICALLY ALL OF THIS INCREASE DEVELOPED BETWEEN 1934 AND 1937. FOR THE PAST FIVE YEARS, THE TOTAL HAS VARIED FROM 630 TO 660. THE GREATER NUMBER OF THESE DEATHS ARE FROM 45 TO 64 YEARS OF AGE (293) AND MOST OF THE REMAINDER OVER 65 YEARS OF AGE (245).

APOPLEXY

THERE WERE 425 APOPLEXY DEATHS, AN INCREASE FROM 415 IN 1941. AS IN THE CASE OF HEART DISEASE, THE MAJORITY (223) WERE OVER 65 AND THERE WERE 167 BETWEEN 45 AND 64.

BRIGHT'S DISEASE

SPECIAL MENTION MUST BE MADE OF A REMARKABLE INCREASE IN BRIGHT'S DISEASE MORTALITY IN THE PAST TWO YEARS. FROM AN AVERAGE OF 600 DEATHS ANNUALLY, 25 YEARS AGO, THIS CAUSE HAD STEADILY DECREASED TO A RECORD LOW OF 124 IN 1940. FOR SOME OBSCURE REASON, SUCH DEATHS ALMOST DOUBLED IN 1941, WITH 222 DEATHS, AND MAINTAINED THAT RATE WITH 223 DEATHS IN 1942. ALMOST HALF, OR 99, WERE OVER 65 YEARS OF AGE.

TUBERCULOSIS

TUBERCULOSIS MAY BE INCREASING THE TUBERCULOSIS MORTALITY SHOWED A SLIGHT INCREASE DURING 1942. THERE WERE 288 TUBERCULOSIS DEATHS OR A RATE OF 66.2 PER 100,000. IN 1941 THERE WERE 274 DEATHS AND A RATE OF 63.9. IF A POPULATION ADJUSTMENT WERE MADE, THIS SLIGHT INCREASE WOULD BE OFFSET. THERE WERE 125 NEGRO TUBERCULOSIS DEATHS OR A RATE OF 258, BASED ON AN ESTIMATED POPULATION OF 45,000. THIS IS THE MAJOR PUBLIC HEALTH PROBLEM AMONG NEGROES, THE RATE AMONG WHITES BEING 41.9. ALTHOUGH MORTALITY HAS CONTINUED AT A LOW POINT, THE REPORTED CASES ARE SHOWING A DEFINITE INCREASE. DURING 1942 THERE WERE 674 SUCH REPORTS AS COMPARED WITH 612 LAST YEAR AND 586 IN 1940. THIS IS A NATURAL CONDITION IN VIEW OF THE THOUSANDS OF DEFENSE WORKERS ARRIVING IN OUR CITY FROM OTHER PARTS OF THE COUNTRY. PLANS HAVE ALREADY BEEN STARTED TO COMBAT THIS SITUATION. GREAT NUMBERS OF WORKERS IN INDUSTRIAL PLANTS HAVE BEEN EXAMINED AND IN THE COMING YEAR THIS WILL BE EXPANDED TO INCLUDE THE FAMILIES OF SUCH NEWCOMERS. AN INFECTIOUS TUBERCULOSIS CASE IN THE HOME IS ALMOST AS GREAT A HAZARD AS THE WORKER HIMSELF. A NEW X-RAY EQUIPMENT FOR 4"X5" PICTURES WILL BE DELIVERED TO THE DEPARTMENT IN THE NEXT FEW WEEKS. THIS WILL MAKE IT POSSIBLE TO TAKE THOUSANDS OF X-RAY PICTURES AT A MUCH LOWER COST THAN THE PREVIOUS LARGE TYPE OF FILM WHICH MADE SUCH WHOLESALE WORK IMPRACTICAL HERETOFORE.

PNEUMONIA

PNEUMONIA - SULPHA DRUGS THERE WAS A SLIGHT INCREASE IN THE NUMBER OF PNEUMONIA DEATHS, 246 COMPARED WITH 244 LAST YEAR. INASMUCH AS THERE WERE 1,549 CASES REPORTED, THIS GAVE A CASE FATALITY RATE OF LESS THAN 16%. IN OTHER WORDS, THERE WERE 16 DEATHS OUT OF EACH 100 CASES. PRIOR TO 1939, THIS PROPORTION HAD ALWAYS BEEN 20 DEATHS OUT OF EACH 100 CASES. THE REDUCTION HAS BEEN BROUGHT ABOUT BY THE WIDESPREAD USE OF SULPHA DRUGS. AS A MATTER OF FACT, THE REDUCTION HAS PROBABLY BEEN GREATER THAN INDICATED, INASMUCH AS PNEUMONIA CASES ARE BEING REPORTED FAR MORE COMPLETELY THAN HERETOFORE.

MATERNAL MORTALITY

1.8 PER 1,000 DELIVERIES LOWEST EVER THERE WERE 22 PUERPERAL DEATHS IN 1942 COMPARED WITH 26 IN 1941 AND 29 IN 1940. ONLY 2 WERE DUE TO SEPTICAEMIA. OUR MATERNAL MORTALITY RATE OF 1.8 PER 1,000 DELIVERIES (LIVE AND STILLBIRTHS) IS OUR LOWEST RATE, ALTHOUGH THERE WERE ONLY 21 PUERPERAL DEATHS IN 1938. THIS IS DUE TO THE GREATLY INCREASED NUMBER OF BIRTHS IN 1942.

MATERNAL DEATHS BY CAUSES	1938	1939	1940	1941	1942
TOTAL DEATHS	21	30	29	26	22
PUERPERAL SEPTICAEMIA	2	5	2	5	2
ECTOPIC PREGNANCY	3	1	2	2	2
CAESARIAN SECTION	3	3	8	1	3
SELF-INDUCED ABORTION	2	5	-	-	-
SPONTANEOUS ABORTION	-	3	-	2	2
ECLAMPSIA	-	2	2	5	1
OTHER ACCIDENTS OF PREGNANCY	4	8	-	1	-
PLACENTA PRAEVIA	2	-	2	2	-
POST PARTUM HEMORRHAGE	2	2	4	2	4
ACCIDENTAL ABORTIONS	3	1	4	-	-
SHOCK FORCEP DELIV. BREECH PRESENT.	-	-	3	1	-
TOXEMIA OF PREGNANCY	-	-	2	3	-
CRIMINAL ABORTION (NOW CLASSIFIED AS PUERPERA)	-	-	-	2	2
CARDIAC FAILURE PREGNANCY	-	-	-	-	4
LOBAR PNEUMONIA	-	-	-	-	1
PULMONARY EMBOLISM	-	-	-	-	1
MATERNAL MORTALITY PER 1,000 DELIVERIES	2.6	3.7	3.3	2.6	1.8

ACCIDENTAL DEATHS

THERE WERE 271 ACCIDENTAL DEATHS IN 1942, AN INCREASE OF 36 OVER THE PREVIOUS YEAR. ALTHOUGH AUTOMOBILE DEATHS INCREASED FROM 69 TO 75 ALMOST THE ENTIRE INCREASE IS ACCOUNTED FOR UNDER THREE MAJOR CAUSES, MAINLY, ILLUMINATING GAS FROM 6 TO 16, RAILROAD ACCIDENTS FROM 2 TO 12 AND DROWNING FROM 3 TO 11. SPECIAL CHECK UP OF ROOMING HOUSES IS BEING MADE TO GUARD AGAINST DEFECTIVE, IMPROPER GAS TUBING AS OVERCROWDING AND MAKESHIFT FACILITIES UNDOUBTEDLY CONTRIBUTE TO INCREASED ILLUMINATING GAS DEATHS.

ACCIDENT TABLE 1942

CAUSE OF ACCIDENT	TOTALS					MALES					FEMALES				
	ALL AGES	UND 5 YRS	5 TO 19	20 TO 59	60 & OVER	ALL AGES	UND 5 YRS	5 TO 19	20 TO 59	60 & OVER	ALL AGES	UND 5 YRS	5 TO 19	20 TO 59	60 & OVER
AUTOMOBILES	75	3	4	48	20	63	2	2	43	16	12	1	2	5	4
ACCIDENTAL FALLS	99	1	1	40	57	60	1	1	32	26	39	-	-	8	31
ACCIDENTAL BURNS	13	1	1	8	3	8	1	-	5	2	5	-	1	3	1
ASPHYX-BED CLOTHES	9	9	-	-	-	8	8	-	-	-	1	1	-	-	-
ALCOHOLISM	5	-	-	5	-	3	-	-	3	-	2	-	-	2	-
CRUSHING	7	-	-	4	3	7	-	-	4	3	-	-	-	-	-
CONFLAGRATION	4	-	-	4	-	2	-	-	2	-	2	-	-	2	-
DROWNING	11	-	3	4	4	11	-	3	4	4	-	-	-	-	-
ELEVATOR SHAFT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELECTROCUTION	1	-	-	1	-	1	-	-	1	-	-	-	-	-	-
HEAT EXHAUSTION	1	-	-	1	-	1	-	-	1	-	-	-	-	-	-
ILLUM. GAS ACCIDENT	16	-	-	6	10	12	-	-	3	9	4	-	-	3	1
RAILROAD ACCIDENT	12	-	2	7	3	11	-	2	6	3	1	-	-	1	-
AIRPLANE ACCIDENT	2	-	-	2	-	2	-	-	2	-	-	-	-	-	-
ACC. STRUCK BY SLED	1	-	-	-	1	-	-	-	-	-	1	-	-	-	1
MOTORCYCLE ACCIDENT	1	-	-	-	1	1	-	-	-	1	-	-	-	-	-
BICYCLE ACCIDENT	1	-	-	-	1	1	-	-	-	1	-	-	-	-	-
ACCIDENTAL SHOOTING	1	-	1	-	-	1	-	1	-	-	-	-	-	-	-
OTHER FRACTURES	3	-	-	-	3	1	-	-	-	1	2	-	-	-	2
OTHER ACCIDENTS	9	1	3	4	1	7	-	2	4	1	2	1	1	-	-
TOTALS	271	15	15	134	107	200	12	11	110	67	71	3	4	24	40

INFANT MORTALITY - 29.3

LOWEST INFANT MORTALITY ON RECORD

UNQUESTIONABLY THE OUTSTANDING ACHIEVEMENT OF THE YEAR WAS THE INFANT MORTALITY RATE WHICH REACHED THE LOWEST POINT IN THE HISTORY OF THE CITY. THERE WERE 352 DEATHS UNDER ONE YEAR AND A RATE OF 29.3 PER 1,000 LIVING BIRTHS. WHEN INFANT HYGIENE WORK STARTED 27 YEARS AGO, THE RATE WAS MORE THAN 100 DEATHS UNDER ONE YEAR PER 1,000 BIRTHS. THAT RATE FIRST FELL BELOW 70 IN 1923, BELOW 60 IN 1929, BELOW 50 IN 1932 AND BELOW 40 IN 1937. THIS IS THE FIRST IT EVER FELL BELOW 30. TO ILLUSTRATE THE SAVING IN LIFE, THERE WOULD HAVE BEEN 655 INFANT DEATHS THIS YEAR INSTEAD OF 352, HAD THE RATE OF EVEN SO RECENTLY AS 1935 PREVAILED.

DEATHS AMONG INFANTS UNDER ONE YEAR BUT AFTER THE FIRST MONTH AGAIN SET A RECORD LOW RATE OF 7.4 WHICH IS A FULL 20% REDUCTION FROM THE FORMER LOW RECORD OF 9.4 IN 1941. DEATHS UNDER ONE MONTH NUMBERED 263 OR 75% OF ALL THE DEATHS UNDER ONE YEAR. VERY LITTLE CAN BE DONE BY CHILD HYGIENE WORK IN THIS GROUP. MOST OF THE PROGRESS THERE, HAS BEEN THROUGH PRE-NATAL CARE AND BETTER OBSTETRICAL FACILITIES. OF THE 263 DEATHS UNDER ONE MONTH, 247 WERE CAUSED BY CONGENITAL DEBILITY OR MALFORMATION. EVEN AMONG THOSE OVER ONE MONTH OF AGE, BUT UNDER ONE YEAR, THERE WERE 13 DEATHS FROM SUCH CAUSES AMONG A TOTAL OF ONLY 89.

DIARRHOEA WHICH CAUSED 250 INFANT DEATHS EACH YEAR ONLY 25 YEARS AGO, WAS GIVEN AS THE CAUSE OF ONLY 8 DEATHS IN 1942. THIS IS A RATE OF LESS THAN 1 PER 1,000 LIVING BIRTHS AND IS THE LOWEST RATE EVER RECORDED. THERE WAS AN INCREASE IN PNEUMONIA WITH 41 INFANT DEATHS, THE LOW RECORD BEING 23 IN 1941. PRIOR TO 10 YEARS AGO PNEUMONIA DEATHS AMONG BABIES AVERAGED MORE THAN 100 EACH YEAR. (SEE CHILD HYGIENE DIVISION REPORT FOR SPECIAL TABLES).

BIRTH STATISTICS - BIRTH RATE 28.0 PER M

BIRTH RATE SOARING

THE MOST PHENOMENAL RATE FOR THE YEAR WAS THE BIRTH RATE. BIRTHS FOR THE YEAR REACHED THE UNPRECEDENTED TOTAL OF 12,016. THE PREVIOUS HIGH FIGURE WAS 11,705 IN 1921. OUR BIRTH RATE FOR 1942 WAS 28.0, THE HIGHEST RATE IN 22 YEARS. THE SUDDENNESS OF THIS INCREASE IS SHOWN BY THE FIGURES FOR THE PAST FOUR YEARS.

YEAR	BIRTHS	RATE
1939	7,950	17.3
1940	8,538	19.9
1941	9,765	22.8
1942	12,016	28.0

THIS IS AN INCREASE OF OVER 50% IN FOUR YEARS.

BIRTHS DATA 1942

TOTAL BIRTHS	12,016	WHITE	10,763	STILLBIRTHS	301
MALES	6,151	COLORED	1,247	ILLEGITIMATE	301
FEMALES . . .	5,865	YELLOW	6		

YEAR	TOTAL BIRTHS	BIRTH RATE	PHYSICIAN DEL. AT HOME	HOSPITAL DELIV.	MIDWIFE DEL.HOME
1942	12,016	28.0	376	11,479	161
1941	9,765	22.8	325	9,282	158
1940	8,538	19.9	401	7,952	185
1939	7,950	17.3	401	7,315	234
1938	7,936	17.3	546	7,106	283
1937	7,659	16.7	603	6,682	374
1936	7,236	15.8	778	6,025	433
1935	7,638	16.8	1,047	6,076	515
1934	7,565	16.7	1,082	5,858	625

NEGRO HEALTH STATISTICS (ESTIMATED POPULATION 45,000)

OUR ESTIMATE OF 45,000 NEGROES IN THIS CITY HAS BEEN CONFIRMED BY U.S. 1940 CENSUS RELEASE. DURING THE YEAR THERE WERE 721 DEATHS AMONG NEGROES OR A MORTALITY RATE OF 16.0. THIS IS A MARKED INCREASE OVER THE TOTAL OF 662 DEATHS AND 14.7 IN 1941. THE INCREASE IN DEATHS FROM ORGANIC HEART DISEASE WAS EVEN MORE PRONOUNCED AMONG NEGROES THAN AMONG THE GENERAL POPULATION, INCREASING FROM 133 TO 169.

AS STATED EACH YEAR, THE GENERAL MORTALITY RATE AMONG NEGROES IS TOO HIGH AS COMPARED WITH THE RATE FOR THE CITY AT LARGE. THE DISPARITY IS EVEN MORE PRONOUNCED WHEN IT IS REALIZED THAT AMONG NEGROES, THE PROPORTION OF THE POPULATION IN THE OLDEST AGE BRACKETS IS MUCH SMALLER THAN IT IS AMONG WHITES. NATURALLY, THE DEATH RATE SHOULD BE LOWER AMONG ANY PART OF THE POPULATION WITH A SMALLER PROPORTION OVER 65. THIS IS NOT A REFLECTION UPON NEGROES BUT RATHER UPON THE CONDITION UNDER WHICH THE MAJORITY MUST WORK AND LIVE.

TUBERCULOSIS

TUBERCULOSIS, ALL FORMS, CAUSED 125 DEATHS AMONG NEGROES OUT OF 286 DEATHS FOR THE CITY AT LARGE. THIS GIVES A MORTALITY RATE OF 277.7 PER CM, AS COMPARED WITH A RATE OF APPROXIMATELY

40 AMONG WHITES. GREATER EFFORT MUST BE MADE TO COMBAT THIS DISEASE AMONG NEGROES. THE CAUSES ARE, OF COURSE, DIFFICULT TO OVERCOME AS THEY ARE MAINLY BAD HOUSING AND OVER-CROWDING TO WHICH NEGROES MUST SUBMIT, AS WELL AS MUCH LOWER INCOME LEVELS. WITH THE RAPIDLY INCREASING DEGREE OF EDUCATIONAL STATUS AMONG NEGROES, THE BETTER ECONOMIC [illegible] TIES CAUSED BY THE WAR AND THE INCREASED EFFORTS TO SECURE BETTER HOUSING NOW [illegible], THERE IS EVERY HOPE FOR A DRASTIC AND RAPID REDUCTION IN TUBERCULOSIS.

PNEUMONIA — DEATHS FROM PNEUMONIA INCREASED FROM 39 IN 1941 TO 53 IN 1942. BEING A RESPIRATORY CONDITION, THIS RATE IS ALSO MUCH HIGHER AMONG NEGROES THAN WHITES INASMUCH AS OVER-CROWDING AND POOR HOUSING PLAYS SO IMPORTANT A PART. THE MORTALITY RATE FROM THIS CAUSE WAS 117.8 COMPARED WITH A WHITE RATE OF 38.2.

PUERPERAL MORTALITY — THERE WAS ONLY 1 MATERNAL DEATH AS COMPARED WITH 5 IN 1941 AND 10 IN 1940. THIS IS THE LOWEST PUERPERAL MORTALITY EVER RECORDED AND INDICATES IMPROVED HEALTH CARE AMONG THE YOUNG [illegible] AGE GROUPS.

BIRTH RATE — THERE WERE 1,247 BIRTHS OR A RATE OF 27.5 PER M.

CONTAGIOUS DISEASES

(SEE REPORT OF COMMUNICABLE DISEASE DIVISION FOR MORBIDITY TABLE).

CHILDHOOD DISEASE - FATALITY DECREASING — CHILDHOOD DISEASES HAVE SHOWN [illegible] NORMAL PREVALENCE DURING THE [illegible] THERE HAVE BEEN 4,105 CASES OF MEASLES, 1,534 WHOOPING COUGH AND 645 SCARLET FEVER. OUTSTANDING IN THIS FIELD HAS BEEN THE TREND TOWARD A LOWERED FATALITY RATE. THERE WAS ONE SCARLET FEVER DEATH [illegible] THREE YEARS, OUT OF 2,832 CASES, [illegible] RATE OF ABOUT [illegible] TWENTY-FIVE YEARS AGO, 3,000 CASES WOULD HAVE CAUSED ALMOST [illegible] ONLY [illegible] DEATHS AMONG [illegible] RATE OF [illegible] CASES. [illegible] TWENTY-FIVE YEARS AGO, THERE WOULD HAVE [illegible] TWELVE TIMES [illegible] DEATHS. THERE WERE 3 DEATHS AMONG THE 1,534 WHOOPING COUGH CASES. HAD THE [illegible] CASES WHICH DIED BEEN THAT OF 25 YEARS AGO, THERE WOULD HAVE BEEN 40 DEATHS INSTEAD OF THREE.

INFANTILE PARALYSIS — THE YEAR WAS MARKED BY AN [illegible] OF INFANTILE PARALYSIS. ALTHOUGH [illegible], IT WAS [illegible] LY CENTERED IN THE SOUTHERN PART OF THE CITY PARTICULARLY IN THE SETH BOYDEN HOUSING PROJECT. THERE WERE 14 CASES IN AUGUST, 10 IN SEPTEMBER AND 6 IN OCTOBER. DURING THE YEAR THERE WERE 37 CASES AND TWO DEATHS. THIS IS THE LARGEST NUMBER SINCE 1935 [illegible] HAD 43 CASES. IN THE HOUSING PROJECT, A QUARANTINE WAS ESTABLISHED ON ALL CHILDREN FOR A PERIOD OF FOUR WEEKS.

EPIDEMIC MENINGITIS — EPIDEMIC MENINGITIS ALSO SHOWED INCREASED PREVALENCE WITH 36 CASES. THIS IS THE HIGHEST SINCE 1936 WHEN THERE [illegible] 47 CASES. THE [illegible] WAS MARKED BY AN [illegible] LOW FATALITY RATE. IN 1936 THERE WERE 23 DEATHS, APPROXIMATELY 50% [illegible] 1942, THERE WERE 5 DEATHS [illegible] CASE FATALITY OF [illegible] THAN 4%. THIS QUITE PROBABLY IS ANOTHER OF THE RESULTS OF SULPHA DRUGS WHICH WERE ADMINISTERED TO MOST OF THE CASES. EPIDEMIC MENINGITIS IS, OF COURSE, CAUSED BY A COCCUS ORGANISM AND THAT GROUP OF BACTERIA ARE MOST SUSCEPTIBLE TO THE SULPHA TREATMENT.

FREEDOM FROM [illegible] — NEWARK CONTINUED ITS OUTSTANDING RECORD IN DIPHTHERIA ELIMINATION WITH NOT A SINGLE CASE NOR DEATH FOR THE YEAR. THERE HAVE BEEN ONLY TWO CASES AND NO DEATHS IN THREE YEARS. A TRULY MARVELOUS ACHIEVEMENT WHEN IT IS REALIZED THAT ONLY 12 YEARS AGO, WE AVERAGED OVER [illegible],000 CASES AND ALMOST 100 DEATHS EVERY YEAR.

TYPHOID STILL A RARITY — ANOTHER FORM OF HEALTH PROGRAM, TYPHOID FEVER, CONTINUED TO BE A RARITY. DURING THE YEAR, THERE WERE 5 SCATTERED CASES AND NO DEATHS. THERE HAVE BEEN ONLY 3 CASES AND NO DEATHS FOR OVER THREE YEARS. THIS IS THE RESULT OF PURE WATER SUPPLY AND CLEAN, PASTEURIZED MILK.

EXECUTIVE DIVISION

ROBERT F. MORGAN, SECOND ASSISTANT HEALTH OFFICER.

THE EXECUTIVE DIVISION PROVIDES THE GENERAL ADMINISTRATIVE FUNCTIONS OF THE DEPARTMENT FOR THE HEALTH OFFICER. THIS INCLUDES ACCOUNTING, VITAL STATISTICS; PUBLICITY AND HEALTH EDUCATION; PERSONNEL RECORDS AND ASSIGNMENT; CLEANING AND MAINTENANCE; PRINTING AND MULTIGRAPHING, MONTHLY AND ANNUAL REPORTS AND PAROCHIAL SCHOOL MEDICAL INSPECTION.

HEALTH EDUCATION — HEALTH EDUCATION WORK INCREASED CONSIDERABLY DURING THE PAST YEAR, PARTICULARLY IN THE FIELD OF VISUAL EDUCATION THROUGH MOVING PICTURES AND SLIDES ON THE WORK OF THE DEPARTMENT. A SPECIAL REPORT IS INCLUDED HEREWITH. THE DEPARTMENT CONTINUED ITS COURSE OF 25 ONE-HOUR LECTURES PER WEEK. THIS COURSE PROVIDES INSTRUCTION IN THE FUNDAMENTALS OF PUBLIC HEALTH AND THE WORK OF THE DEPARTMENT. IT IS PRIMARILY INTENDED FOR TRAINING-SCHOOL NURSES IN THE SEVERAL LARGE HOSPITALS BUT ALSO IS A REQUIREMENT FOR ALL NEW HEALTH EMPLOYEES AND IS OFFERED TO OTHERS INTERESTED IN PUBLIC HEALTH.

LEGAL CASES — DURING THE PAST YEAR THE HANDLING OF COURT CASES HAS BEEN GREATLY FACILITATED BY THE SERVICES OF AN INVESTIGATOR WHO HAPPENS TO BE A QUALIFIED LAWYER. HE NOT ONLY COOPERATES WITH THE CITY LAW DEPARTMENT WHICH OFFICIALLY HANDLES ALL CITY WORK, BUT IS PRESENT AT ALL DIVISIONAL HEARINGS. EACH INSPECTIONAL DIVISION HOLDS WEEKLY HEARINGS BEFORE THE HEALTH OFFICER AT WHICH INSPECTORS AND INTERESTED INDIVIDUALS AND VIOLATORS ARE PRESENT. THE CASES ARE DISCUSSED AND DISPOSITION MADE BY THE HEALTH OFFICER. VERY OFTEN, THEY ARE LANDLORD AND TENANT CASES OR DISPUTING NEIGHBORS. COMPROMISES ARE MADE AND EXTENSIONS OF TIME GRANTED IF WARRANTED. THE NUMBER OF CASES REFERRED FOR COURT ACTION FORM A VERY SMALL NUMBER AS A RESULT OF THIS ARRANGEMENT.

IN 1942, FINES WERE LEVIED BY COURT ACTION IN 39 CASES. OF THESE, 2 WERE FOR THE USE OF SODIUM SULPHITE IN MEAT AND 18 FOR QUARANTINE VIOLATORS DURING INFANTILE PARALYSIS OUTBREAK. TOTAL COURT FINES AMOUNTED TO $600. OTHER ROUTINE PENALTIES FOR VIOLATIONS SUCH AS LOW MILK COUNTS, ADULTERATED OLIVE OILS, ETC., BROUGHT THIS TOTAL TO $1,435.

CLEANING AND MAINTENANCE — PRIOR TO THE DEPRESSION, THE ENTIRE HEALTH DEPARTMENT REQUIRED ONLY THE ONE MAIN FOUR STORY BUILDING. ECONOMIC CONDITIONS, HOWEVER, CAUSED THE CITY DISPENSARY WHICH HAD OCCUPIED ONLY ONE FLOOR TO EXPAND TO SUCH A DEGREE THAT IT WAS NECESSARY TO RENT AN ADJOINING TWO STORY ANNEX FOR FOOD HANDLER AND DOMESTIC EXAMINATIONS, ANOTHER TWO STORY BUILDING FOR VENEREAL DISEASE CLINICS AND A THREE STORY RESIDENCE FOR NURSES' QUARTERS AND OFFICE SPACE. DURING 1942 DEMAND FOR CLINIC TREATMENT DWINDLED RAPIDLY AND A GREAT REDUCTION IN THE VENEREAL DISEASE TREATMENT LOAD DEVELOPED. AS A RESULT, WE WERE ABLE TO RELEASE THE VENEREAL DISEASE CLINIC BUILDING, MOVING THAT DIVISION TO OUR OCCUPATIONAL ANNEX AT 77 ARLINGTON STREET AND BRINGING THE OCCUPATIONAL CLINICS INTO THE MAIN BUILDING. THIS WILL BE EXTREMELY ADVANTAGEOUS DUE TO THE ACQUISITION OF A COMPLETE NEW X-RAY UNIT IN OUR MAIN BUILDING WITH 4X5" FILM EQUIPMENT FOR USE NOT ONLY AMONG DISPENSARY AND TUBERCULOSIS CLINIC PATIENTS BUT FOR FOOD HANDLERS AND DOMESTICS. IN ADDITION TO THE MAIN BUILDING AND TWO ANNEXES THE DEPARTMENT HAS 22 OUTSIDE CLINICS USED MAINLY FOR BABY-KEEPING-WELL STATIONS BUT, ALSO IN A FEW OF THEM, FOR TUBERCULOSIS EXAMINATIONS, PRE-NATAL CLINICS AND DENTAL CLINICS.

PAROCHIAL SCHOOL MEDICAL INSPECTION — THE MEDICAL INSPECTION OF PUBLIC SCHOOL CHILDREN IS UNDER THE SUPERVISION OF THE BOARD OF EDUCATION. THIS WORK IN PAROCHIAL SCHOOLS IS PROVIDED BY THE HEALTH DEPARTMENT WITH A SUPERVISING NURSE AND A STAFF OF 14 HEALTH NURSES. A SPECIAL REPORT IS INCLUDED IN THIS SECTION.

VITAL STATISTICS & FINANCE — IMMEDIATELY FOLLOWING ARE THE FINANCIAL STATEMENT AND THE VITAL STATISTICS TABLES OF MAJOR PUBLIC HEALTH INTEREST, TOGETHER WITH SEVERAL DIAGRAMMATIC CHARTS SHOWING THE MORE NOTICEABLE TRENDS IN MORBIDITY AND MORTALITY.

FINANCIAL STATEMENT

RECEIPTS	1936	937	938	1939	940	194	,12
BACTERIAL EXAMINATIONS	215.40	14.00	219.00	550.50	401.50	241.00	[illegible]
CHICKEN PERMITS	195.00	162.00	198.00	186.00	172.00	182.20	211.00
CHICKEN SLAUGHTERHOUSE PERMITS	1320.00	220.00	010.00	1840.00	910.00	87[illegible].00	[illegible]
FOOD HANDLERS LICENSES	35205.00	14998.00	--	--	--	--	--
ICE LICENSES	1 2[illegible].50	957.00	938.00	1054.00	937.00	733.00	[illegible]93.[illegible]
MILK LICENSES	5334.50	5432.50	5642.00	5712.00	568[illegible].00	5354.50	4941.50
PLUMBING PERMITS	4948.00	5026.50	4630.50	63[illegible]4.50	5735.50	5199 00	264[illegible].00
PLUMBING LICENSES	2750.00	2625. 0	2370.00	2530.00	2460.00	248[illegible].0[illegible]	2352. 0
SUNDRIES	811.85	570.10	1161.86	2049.34	1805.31	1355.26	1679.40
	$51,908.25	31,105.10	16,169 36	20,286.34	18,107.31	16,419.96	13,455.40
DISBURSEMENTS							
LABORATORY - SALARIES	2236[illegible].20	24227.25	24 75.84	26628.76	22409.60	23707.[illegible]	[illegible]
" - SUPPLIES	1826.51	320[illegible]	32[illegible] 50	23[illegible]7.65	1999 20	[illegible]	[illegible]
DISPENSARY - SALARIES	73639.22	796[illegible]8.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
" - SUPPLIES	37227.78	24006.46	[illegible]	27[illegible]52.37	[illegible]	[illegible]	15[illegible].52
VENEREAL - SALARIES	43651.49	47779.65	50[illegible].94	40727.80	492[illegible]	[illegible]	[illegible]
" - SUPPLIES	8396.22	9693.22	1175 62	[illegible]	[illegible]	[illegible]	[illegible] 70
SANITARY - SALARIES	8 893.27	92327.93	52903.[illegible]	925[illegible]	[illegible]	97[illegible]	[illegible]
" - SUPPLIES	3443.27	4371.78	30[illegible] 33	58[illegible]	[illegible]	[illegible]	[illegible]
DISTRICT DOCTORS - SALARIES	11 85.42	2588.32	16 [illegible].86	1[illegible]487.76	223[illegible].23	23[illegible]	[illegible].42
CHILD HYGIENE - SALARIES	45285.24	45375.54	393 [illegible]	473[illegible]5.77	49[illegible]70.[illegible]	5 [illegible]	52[illegible].29
" - SUPPLIES	839[illegible].49	7805.47	78[illegible] 82	[illegible]687.22	[illegible]	10 5[illegible]	[illegible]55.32
INFIRMARY - SALARIES	3437.12	3459.92	342[illegible].92	2911.80	--	--	--
" - SUPPLIES	6581.24	5868.15	69[illegible]3.55	5148.79	812.57	--	-
TUBERCULOSIS - SALARIES	23928.38	25535.11	24759.36	26079.36	24435.00	25384.00	23120.00
" - SUPPLIES	387.18	215.59	[illegible]94 [illegible]7	594.34	407.00	7[illegible]0.00	[illegible]
EXECUTIVE - SALARIES	38832.85	41987.23	428[illegible] 33	42286.80	49112.00	53670.00	[illegible]77.00
" - SUPPLIES	13593.07	139 9.45	[illegible]	14297.47	18435.00	[illegible]	[illegible]
FOOD & DRUG - SALARIES	60408.43	62806.79	[illegible]	67237.26	70525.00	[illegible]	[illegible]
" - SUPPLIES	4149.44	5130.52	[illegible].47	3129.23	3378.00	[illegible]	[illegible]
VETERINARY - SALARIES	24780.46	27985.73	26 [illegible]	28019.12	29369.40	33[illegible].00	[illegible].52
" - SUPPLIES	1 29.83	791.95	[illegible] 50	478.87	3[illegible].82	[illegible].00	[illegible].00
PLUMBING - SALARIES	22737.48	25338.85	2[illegible].83	21870.00	22.87.00	21761.00	222[illegible].00
" - SUPPLIES	646.20	765.13	889 40	351.20	613.00	53[illegible].00	[illegible]
CONTAGIOUS - SALARIES	47318.24	4515 .64	[illegible]8 92.37	[illegible].47	58 [illegible] 35	[illegible]	[illegible]
" - SUPPLIES	5268.92	1480.67	3754.25	1749. 3	375[illegible].00	5 0.00	[illegible]
PAROCHIAL SCHOOLS - SALARIES	21620.94	23466.75	22892.92	22302.73	2214[illegible].00	22[illegible]0.00	[illegible]
" " - SUPPLIES	172.62	148.28	117.72	269.85	433.00	340.0[illegible]	[illegible]
OCCUPATIONAL - SALARIES	--	11528.81	11600.00	12996.68	22799.00	[illegible]	[illegible]
" - SUPPLIES	--	3745.12	4015.51	[illegible]419.12	[illegible]	[illegible]	[illegible]
TOTALS	$6[illegible]1369.18	643,986.20	643,2[illegible]3.79	667,971.71	724,729.[illegible]5	756,2[illegible]3.[illegible]	[illegible]

ORGANIZATION AND RECENT DEVELOPMENT OF NEWARK'S HEALTH DEPARTMENT

UNDER COMMISSION GOVERNMENT, THE DIRECTOR OF PUBLIC AFFAIRS IS IN IMMEDIATE CHARGE OF THE HEALTH DEPARTMENT, CITY HOSPITAL AND THE VARIOUS WELFARE DEPARTMENTS.

THE FIVE CITY COMMISSIONERS, INCLUDING THE DIRECTOR OF PUBLIC AFFAIRS, ACT AS THE BOARD OF HEALTH WITH POWER TO ADOPT HEALTH ORDINANCES, APPROPRIATIONS, CONFIRM APPOINTMENTS, ETC.

THE HEALTH OFFICER IS EXECUTIVE HEAD, AND LIKE ALL OTHER DEPARTMENT EMPLOYEES, HAS CIVIL SERVICE TENURE OF OFFICE.

THE DEPARTMENT WAS ORGANIZED ABOUT 60 YEARS AGO BUT RAPID DEVELOPMENT STARTED APPROXIMATELY TWENTY-FIVE YEARS AGO.

DEVELOPMENT		1910	1920	1930	1942
HEALTH EXPENDITURES		$106,500	$280,000	$506,000	$776,000
POPULATION		347,000	414,000	442,000	429,000
PER CAPITA COST - INCLUDING DISPENSARY		$0.31	$0.67	$1.14	* $1.81
NUMBER OF EMPLOYEES		73	157	247	405
CRUDE DEATH RATE	(PER M)	16.6	13.4	11.92	11.86
BIRTH RATE	(PER M)	29.6	28.3	22.2	28.0
TYPHOID MORTALITY	(PER CM)	12.7	1.9	0.2	NONE
DIPHTHERIA MORTALITY	(PER CM)	29.9	14.9	10.9	NONE
SCARLET FEVER MORTALITY	(PER CM)	11.2	12.1	0.7	0.2
TUBERCULOSIS MORTALITY	(PER CM)	233.7	130.4	101.1	66.1
DIARRHOEA MORTALITY (UNDER 5)	(PER CM)	107.2	35.3	10.2	2.8
WHOOPING COUGH FATALITY (DEATHS PER M CASES)		19	14	8	1.3
INFANT MORTALITY (UNDER 1 YR) (PER M BIRTHS)		123.0	84.0	52.3	29.3

* INASMUCH AS APPROXIMATELY $180,000 IS FOR INDIGENT MEDICAL CARE, BALANCE MAKES PUBLIC HEALTH PER CAPITA -- $1.39

FOLLOWING TWO PAGES SHOW DIVISIONAL PERSONNEL, TYPE OF WORK AND DEVELOPMENT.

EXECUTIVE DIVISION	YEAR	1910	1920	1930	1942
	COST	$[illegible]8,000	$40,000	$63,000	$72,000
	EMP.	7	13	20	37

HEALTH OFFICER, 1 ASST. HEALTH OFFICER, CLERKS, MULTIGRAPH OPERATORS, CHAUFFEUR, JANITORS, WATCHMAN, ETC.

ADMINISTRATION, VITAL STATISTICS, MAINTENANCE OF ENTIRE DEPARTMENT, PUBLICITY, HEALTH EDUCATION

SANITARY DIVISION	YEAR	1910	1920	1930	1942
	COST	$26,000	$54,000	$73,000	$63,500
	EMP.	25	31	33	25

1 ASST. HEALTH OFF., 2 CHIEFS, 2 ASST. CHIEFS, 1 CLERK, 5 MOTORCYCLE & 3 AUTO INSPECTORS AND 11 DISTRICT INSPECTORS.

ENFORCE SANITATION OF PREMISES, OLD PLUMBING, NUISANCES; SUPERVISE FUMIGATION WITH DANGEROUS GASES; ENFORCEMENT OF DOMESTIC EMPLOYEE EXAMINATIONS, DOG BITES, ETC.

(IN 1942) 85,000 INSPECTIONS, 22,000 NUISANCES FOUND AND PRACTICALLY ALL ABATED, SUCH AS LACK OF WATER, DEFECTIVE TOILETS, INSANITARY CONDITIONS, UNMUZZLED DOGS, ETC.

PLUMBING DIVISION	YEAR	1910	1920	1930	1942
	COST	$ 7,000	$12,000	$29,000	$22,600
	EMP.	6	6	10	9

A CHIEF, 1 ASST. CHIEF, A CLERK AND 6 INSPECTORS.

INSPECT AND APPROVE ALL PLUMBING PLANS AND INSTALLATIONS OF NEW PLUMBING WORK; WATER SAMPLES, ETC.

(IN 1942) 812 PLANS FOR NEW PLUMBING, 10,100 INSPECTIONS; 270 VIOLATION NOTICES.

INDUSTRIAL DIVISION	YEAR	1910	1920	1930	1942
	COST	-	-	$20,000	$35,[illegible]
	EMP.	-	-	8	14

A CHIEF, 1 ASST. CHIEF, 1 INDUSTRIAL HYGIENE PHYSICIAN, 1 NURSE AND 10 INSPECTORS.

CONTROL OF NUISANCES CAUSED BY INDUSTRY; FUMES, SMOKE, NOISES, ETC. OF WORKERS' CONDITIONS IN FACTORIES, INDUSTRIAL DISEASE INVESTIGATIONS.

(IN 1942) 11,319 INSPECTIONS OF 1,500 FACTORIES AS WELL AS SPECIAL INSPECTIONS; 1,[illegible] NUISANCES & VIOLATIONS ABATED.

COMMUNICABLE DISEASE DIVISION	YEAR	1910	1920	1930	1942
	COST	$16,000	$32,000	$63,000	$ 9,000
	EMP.	12	17	24	29

A CHIEF, 1 ASST. CHIEF, A MEDICAL DIRECTOR, 2 DIAGNOSTICIANS, 1 NURSE, 1 CULTURE COLLECTOR, 6 CLERKS, 16 INSPECTORS.

ENFORCE QUARANTINE AND DISINFECTION; AID IN IMMUNIZATION CAMPAIGN; FOLLOW UP ISOLATION HOSPITAL DISCHARGED PATIENTS; EPIDEMIOLOGICAL STUDIES. PNEUMONIA & WHOOPING COUGH PROJECT.

(IN 1942) PREVALENT DISEASES WERE- WHOOPING COUGH 1534, MEASLES 4105, SCARLET FEVER 645, CHICKENPOX 2957, PNEUMONIA 1549.

TUBERCULOSIS DIVISION	YEAR	1910	1920	1930	1942
	COST	$ 1,[illegible]00	$17,000	$28,000	$36,000
	EMP.	2	12	18	19

MEDICAL DIRECTOR, 1 SUPERVISING NURSE, A CLERK, 5 CLINIC DOCTORS, 10 NURSES.

EXAMINATION OF ALL POSSIBLE PERSONS FOR CASES AND CONTACTS, EXAMINATION FOR SANATORIA, FLUOROSCOPE AND LUNG COLLAPSE CLINIC; HOME VISITS FOR EDUCATION IN HYGIENE. AID IN EXAMINING FOOD HANDLERS AND DOMESTICS; MANTOUX TEST OF SCHOOL CHILDREN.

(IN 1942) 19,496 VISITS BY NURSES; 46,000 CLINIC EXAMINATIONS, INCLUDING 27,000 FOOD HANDLERS; PNEUMOTHORAX 485.

CHILD HYGIENE DIVISION	YEAR	1910	1920	1930	1942
	COST	-	$25,[illegible]	$65,[illegible]	$64,[illegible]
	EMP.	-	21	35	42

A MEDICAL DIRECTOR, 8 CLINIC DOCTORS, 2 CLERKS, 1 SUPERVISING NURSE, 30 NURSES, CLEANERS, ETC.

HOME VISITS T[illegible] BABIES, WEEKLY F[illegible] FIRST MONTH, MONTHLY UNDER 1 YEAR AND EVERY THREE MONTHS UP TO TWO YEARS OF AGE TO INSTRUCT MOTHERS; 18 KEEP-WELL-STATIONS, (36 WEEKLY SESSIONS) TO WHICH MOTHERS BRING BABIES FOR EXAMINATION AND INSTRUCTION; LICENSE AND SUPERVISE BOARDING HOMES FOR BABIES.

(IN 1942) 15,149 BABIES SUPERVISED; 67,825 VISITS TO HOMES BY NURSES; 19,982 VISITS BY BABIES TO STATIONS.

PAROCHIAL SCHOOL INSPECTION				
YEAR	1910	1920	1930	1942
COST	$100	$ 7,000	$21,000	$24,000
EMP.	-	6	10	14

1 Supervising Nurse and 12 Nurses.

School inspection for the 12,000 pupils in the parochial schools. Physical examinations; enforce quarantine; see that defects are placed under treatment; immunization campaign. Health education by class talks.

(In 1942) Defects cured included 5,587 teeth; 2,164 nose and throat, mostly adenoids and tonsils; 1,571 eye and ear conditions; 4,656 skin. Over 42,000 school treatments; 18,531 physical examinations. 99% immunized and vaccinated.

BACTERIOLOGICAL LABORATORY				
YEAR	1910	1920	1930	1942
COST	$13,000	$27,000	$38,000	$28,000
EMP.	4	10	14	17

A Chief, and Asst. Bacteriologist, 1 Pathologist, Clerks, Laboratory helpers, 2 Dog Inspectors, and Cleaners.

Examine contagious disease specimens, cultures, bloods, smears, etc., bacteriological examination of water, milk and other foods, prepare some sera, culture outfits, etc.

(In 1942) 5,000 T.B. sputa, 9,484 G.C. smears, 66,000 Wassermanns, Kahns and Spinal Fluids; 5,100 Diphtheria cultures and approximately 9,000 other disease and food and water specimens.

These figures do not include examinations at Venereal Disease Laboratory.

CITY DISPENSARY				
YEAR	1910	1920	1930	1942
COST	$15,500	$28,000	$62,000	$155,000
EMP.	16	24	30	92

1 [illegible] Officer, Supv. Nurse and Asst., 23 Nurses, Pharmacist and 2 Asst. Pharm., Clinic Phys., Dentists, 11 Attendants, Masseurs, Porters. (13 District Doctors)

Treat at general and special clinics and visit indigent sick; fill prescriptions, dispense free sera, etc.

(In 1942) 63,000 treatments of 12,000 patients; 13,000 bottles of cod liver oil and 66,000 prescriptions. 13,000 visits by district doctors.

VENEREAL DISEASE DIVISION				
YEAR	1910	1920	1930	1942
COST	-	-	$31,000	$67,500
EMP.	-	-	13	45

Medical Director, 11 Clinic Physicians, 3 Nurses, 10 Investigators, Laboratory Technicians, Clerks, 7 Attendants, etc.

Treatment of venereal disease patients; enforce treatment of all reported cases; investigate for new cases and possible source of infection. Assist in examination of food handlers and domestics. Special Pathological Laboratory.

(In 1942) 53,000 treatments; 296,000 blood tests; 6,100 active patients; 36,000 visits to delinquents, etc. Aided by excellent W.P.A. Project.

FOOD & DRUG DIVISION				
YEAR	1910	1920	1930	1942
COST	$ 6,000	$27,000	$56,000	$74,500
EMP.		12	20	32

A Chief, an Asst. Chief, 3 Chemists, 23 Inspectors, 4 Clerks.

Sanitary inspection of food premises, milk plants; samples of food and milk for adulteration, sanitation and standards. Enforce food handler licensing.

(In 1942) 16,377 inspections of dairies and creameries, 357 being excluded. 2,100 milk samples taken and analyzed 22,500 inspections of other food establishments.

VETERINARY DIVISION				
YEAR	1910	1920	1930	1942
COST	$ 3,000	$ 9,000	$29,000	$33,000
EMP.	2	4	12	17

A Chief, 2 other Veterinarians, Clerk, 13 Meat Inspectors.

Supervision of all meat stores and the slaughter of meat in the city. Food handler enforcement. Condemnations.

(In 1942) 37,000 inspections of meat and fish stores, slaughter houses and wholesale plants.

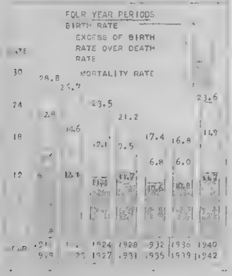
OCCUPATIONAL CLINIC | Year 1942 : Cost - $25,600 : Employees - 13

A Chief, 6 Doctors, 1 Nurse, Clerks, Attendants.

41,000 semi-annual physical examinations each year of approximately 7,000 domestics and 20,000 food handlers including fluoroscope, etc. Domestic work enforced by Sanitary Division, Food Handler work by Veterinary and Food & Drug Divisions. 22,000 blood tests in 1942.

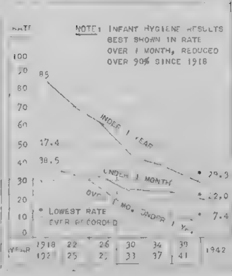
THE VITAL RATIO

TREND IN BIRTHS AND DEATHS
CRUDE RATES PER 1000



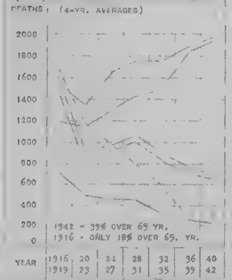
INFANT MORTALITY

DEATHS UNDER 1 YEAR PER 1000
LIVING BIRTHS



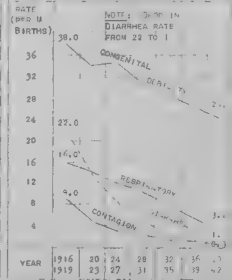
MORTALITY TREND BY AGE

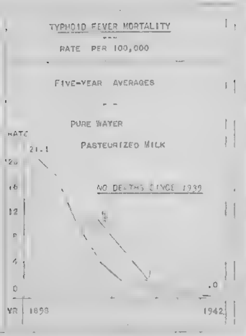
DEATHS OVER 45 AND 65 INCREASING
"PEOPLE LIVE LONGER"

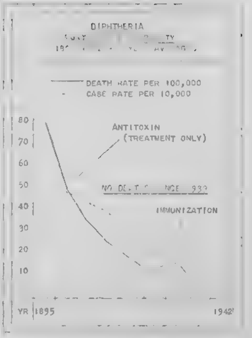


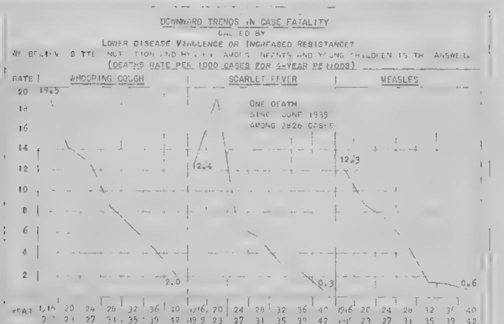
INFANT MORTALITY

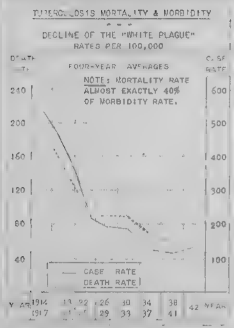
SPECIAL CAUSES
4-YR. AVERAGES AND (1940-42)

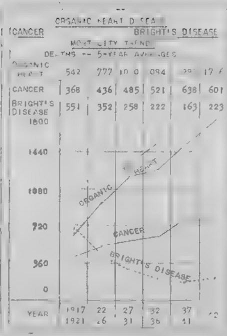


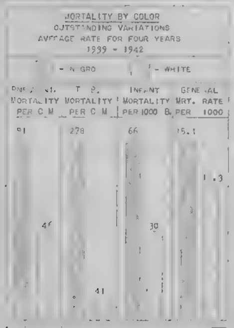

TYPHOID FEVER MORTALITY
RATE PER 100,000
FIVE-YEAR AVERAGES
PURE WATER
PASTEURIZED MILK
NO DEATHS SINCE 1939
RATE
21.1
16
12
4
0
.0
YR
1898
1942

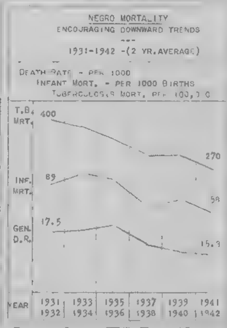

DIPHTHERIA
DEATH RATE PER 100,000
CASE RATE PER 10,000
ANTITOXIN
(TREATMENT ONLY)
IMMUNIZATION
80
70
60
50
40
30
20
10
YR
1895
1942


DOWNWARD TRENDS IN CASE FATALITY
LOWER DISEASE VIRULENCE OR INCREASED RESISTANCE?
(DEATHS RATE PER 1000 CASES FOR 4-YEAR PERIODS)
RATE
WHOOPING COUGH
SCARLET FEVER
MEASLES
ONE DEATH
AMONG 2826 CASES
19.5
12.4
12.3
2.0
0.3
0.6
20
16
14
12
10
8
6
4
2
YEAR
20
24
28
32
36
23
27
31
35
39
42
24
28
32
36
23
27
31
35
42
20
24
28
32
40
23
27
31
35
39
42


TUBERCULOSIS MORTALITY & MORBIDITY
DECLINE OF THE "WHITE PLAGUE"
RATES PER 100,000
FOUR-YEAR AVERAGES
NOTE: MORTALITY RATE ALMOST EXACTLY 40% OF MORBIDITY RATE.
CASE RATE
DEATH RATE
240
200
160
120
80
40
600
500
400
300
200
100
1914
1917
26
29
30
33
34
37
38
41
42
YEAR


CANCER
BRIGHT'S DISEASE
DEATHS -- 5-YEAR AVERAGES
542
777
CANCER
368
436
485
521
638
601
BRIGHT'S DISEASE
551
352
258
222
163
223
1800
1440
1080
720
360
0
ORGANIC HEART
CANCER
BRIGHT'S DISEASE
YEAR
1917
1921
22
27
31
32
37
41


MORTALITY BY COLOR
OUTSTANDING VARIATIONS
AVERAGE RATE FOR FOUR YEARS
1939 - 1942
WHITE
INFANT MORTALITY PER 1000 B.
GENERAL MRT. RATE PER 1000
278
66
15.1
30
41


NEGRO MORTALITY
ENCOURAGING DOWNWARD TRENDS
1931-1942 -(2 YR.AVERAGE)
INFANT MORT. - PER 1000 BIRTHS
T.B. MRT.
400
270
INF. MRT.
89
GEN. D.R.
17.5
YEAR
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942

DEATHS AND DEATH RATES

BY CAUSE (TOTAL AND NEGRO)

	TOTAL				NEGRO			
	1942		1941		1942		1941	
	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS
INFANTILE PARALYSIS	0.4	2	0.7	3	NONE	NONE	NONE	NONE
TYPHOID FEVER	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
MEASLES	0.9	4	0.2	1	4.4	2	NONE	NONE
SCARLET FEVER	0.2	1	NONE	NONE	NONE	NONE	NONE	NONE
WHOOPING COUGH	0.7	3	0.9	4	4.4	2	4.4	2
DIPHTHERIA	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
INFLUENZA	1.2	5	4.4	19	2.2	1	6.7	3
EPIDEM. MENIN. (CER.SPIN.)	1.2	5	0.2	1	2.2	1	NONE	NONE
OTHER EPIDEMIC DISEASE	NON	NON	NONE	NONE	NONE	NONE	[illegible]	NONE
TUBERCULOSIS OF LUNGS	60.8	261	54.8	235	244.4	110	211.1	95
" MENINGITIS	2.6	11	3.0	13	3.3	[illegible]	4.4	[illegible]
OTHER TUBERCULOSIS	3.7	16	6.1	26	20.0	[illegible]	[illegible]	[illegible]
CANCER, MALIGNANT TUMOR	140.3	601	153.8	660	82.2	37	[illegible]	41
SIMPLE MENINGITIS	5.8	25	3.0	13	5.6	7	.1	5
APOPLEXY-SOFT. OF BRAIN	99.1	425	96.7	415	126.7	57	3.3	5
ORGANIC HEART DISEASE	409.3	1756	356.6	530	375.5	69	295.5	33
BRONCHITIS	2.6	11	1.2	5	NONE	NONE	NONE	NONE
PNEUMONIA, LOBAR	33.6	144	29.1	125	80.0	36	57.8	26
" BRONCHO	23.8	102	27.7	119	37.8	17	28.9	13
OTHER RESPIRATORY DISEASES	42.9	184	38.9	167	42.2	19	53.3	24
STOMACH	7.9	34	7.0	30	6.7	3	4.4	2
DIARRHOEA (UNDER 5 YEARS)	2.8	12	3.3	13	8.9	4	8.9	4
APPENDICITIS & TYPHILITIS	7.9	34	10.5	45	6.7	3	26.7	12
HERNIA, INTEST. OBST.	15.6	67	11.7	50	24.4	11	26.7	12
CIRRHOSIS OF LIVER	7.9	34	11.0	47	4.4	2	8.9	4
BRIGHT'S DIS. - NEPHRITIS	51.3	223	51.7	222	88.9	40	77.8	35
DIS. OF WOMEN (NOT CANCER)	2.3	10	0.9	4	13.3	6	6.7	3
PUERPERAL SEPTICAEMIA	0.4	2	1.2	5	NONE	NONE	4.4	2
OTHER PUERPERAL DISEASES	4.6	20	4.9	21	2.2	1	6.7	3
CONG. DEBILITY & MALF.	61.1	262	56.6	243	93.3	42	100.0	45
OLD AGE	7.0	30	10.0	43	6.7	3	6.7	3
ACCIDENT	62.9	271	54.8	235	73.3	33	62.2	28
HOMICIDE	5.1	22	4.4	19	33.3	15	24.4	11
SUICIDE	15.4	66	12.8	55	8.9	4	2.2	1
ILL DEFINED CAUSES.	9.8	42	11.9	51	20.0	9	15.6	7
ALL OTHER CAUSES	133.1	571	165.0	708	160.0	72	162.2	73

MORTALITY UNDER SPECIAL HEADINGS 1933 TO 1942

	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933
TOTAL - ALL CAUSES	5256	5127	5207	5005	5116	5256	5331	4996	4921	5128
INFANTILE PARALYSIS - - - -	2	3	-	-	-	1	-	4	-	2
TYPHOID FEVER - - - - - - -	-	-	-	4	2	-	1	-	1	2
MALARIA - - - - - - - - -	-	-	-	-	-	-	-	-	-	-
SMALLPOX - - - - - - - - -	-	-	-	-	-	-	-	-	-	-
MEASLES - - - - - - - - - -	4	1	5	-		16	1	11	1	[illegible]
SCARLET FEVER - - - - - - -	1	-	-	4	1	1	7	1	2	4
DIPHTHERIA - - - - - - - -	-	-	1	1	1	1	-	1	1	1
WHOOPING COUGH - - - - - -	3	4	1	6	6	7	12	22	6	6
INFLUENZA - - - - - - - - -	5	19	8	10	17	24	21	[illegible]	25	33
EPIDEM. MENINGITIS(CERB.SP)-	5	1	1	1	2	8	23	3	2	3
OTHER EPIDEMIC DISEASES - -	-	-	1	-	[illegible]	-	-	9	-	-
TUBERCULOSIS OF LUNGS - - -	261	235	277	252	253	266	311	283	285	336
TUBERCULOSIS MENINGITIS - -	11	19	11	6	9	[illegible]	10	[illegible]	10	16
OTHER TUBERCULOSIS - - - -	16	26	21	19	25	25	[illegible]	22	21	35
CANCER-MALIGNANT TUMOR - -	601	660	636	631	630	633	566	533	503	525
SIMPLE MENINGITIS - - - - -	25	13	14	16	20	22	32	25	17	24
APOPLEXY-SOFTENING OF BRAIN	425	415	410	383	347	310	358	304	357	304
ORGANIC HEART DISEASE - - -	1756	1530	1360	1210	[illegible]	[illegible]	[illegible]	[illegible]	1082	[illegible]
BRONCHITIS - - - - - - - - -	11	5	11	9	18	13	3	20	18	23
LOBAR PNEUMONIA - - - - - -	144	125	91	130	189	245	251	[illegible]	[illegible]	261
BRONCHO PNEUMONIA - - - - -	102	119	109	101	23	184	155	141	[illegible]	162
OTHER RESPIRATORY DISEASES-	184	167	142	124	92	124	9	94	80	[illegible]
DISEASES OF STOMACH - - - -	34	30	31	39	13	[illegible]	[illegible]	37	28	38
DIARRHOEAL DIS. UNDER 5 YRS	12	13	14	20	[illegible]	32	[illegible]	24	23	18
APPENDICITIS & TYPHILITIS -	34	45	68	61	82	77	[illegible]	58	90	88
HERNIA, INTESTINAL OBST. -	67	50	59	57	51	60	57	47	55	83
CIRRHOSIS OF LIVER - - - -	34	47	37	36	42	42	35	49	34	27
BRIGHT'S DISEASE & NEPHRITIS	223	222	124	154	149	168	[illegible]	201	227	228
DIS. OF WOMEN (NOT CANCER)-	10	4	19	11	11	12	9	20	[illegible]	17
PUERPERAL SEPTICAEMIA - - -	2	5	2	5	4	10	6	8	7	5
OTHER PUERPERAL DISEASES -	20	21	27	25	19	12	23	26	32	22
CONG. DEBILITY & MALFORM. -	262	243	225	203	213	70	202	[illegible]	222	135
OLD AGE - - - - - - - - - -	30	43	28	36	43	49	45	44	34	50
ACCIDENTS - - - - - - - - -	271	235	258	226	[illegible]	343	339	277	294	315
HOMICIDES - - - - - - - - -	22	19	21	23	21	37	34	37	26	38
SUICIDES - - - - - - - - -	66	55	62	50	66	70	68	64	[illegible]	[illegible]
ILL DEFINED CAUSES - - - -	42	51	50	39	39	32	44	32	27	37
ALL OTHER CAUSES - - - - -	71	708	1039	1083	[illegible]	[illegible]	951	957	972	876
CRUDE DEATH RATE (1000 POP)	11.9	11.6	11.7	10.6	[illegible]	11.0	11.2	[illegible]	[illegible]	10.9

PERCENTAGE DISTRIBUTION BY AGE PERIODS FROM

PRINCIPAL CAUSES OF DEATH IN NEWARK, NJ 1942

CAUSES OF DEATH	TOTAL DEATHS		UND. 5 YEARS		5 TO 24 YEARS		25 TO 44 YEARS		45 TO 64 YEARS		65 AND OVER	
	DEATH		DEATHS	%	DEATHS	%	DEATHS	%	DEATHS	%	DEATHS	%
TOTAL	5256	100	413	7.9	20[illegible]	3.8	[illegible]	13.0	9[illegible]5	[illegible]	2[illegible]25	[illegible]
MEASLES	4	100	4	100								
WHOOPING COUGH	3	100	3	100								
DIARRHOEAL DISEASES	12	100	12	100								
EARLY INFANCY	262	100	262	100								
INFLUENZA	5	100	1	20.0			2	40.0			2	40.0
PNEUMONIA	246	100	50	20.3	6	2.4	38	15.5	78	3[illegible].7	74	30.1
BRONCHITIS	11	100	3	27.3			2	18.2	2	18.2	4	36.3
PULMONARY T.B.	261	100	2	0.8	47	18.0	114	43.7	83	31.8	15	5.7
BRIGHT'S DISEASE	223	100			7	3.1	28	12.6	89	39.9	99	44.4
APOPLEXY	425				1	0.2	34	8.0	167	39.3	223	52.5
ORGANIC HEART DIS.	1756		3	0.0	34	1.9	141	8.0	722	41.2	856	48.9
ACCIDENTS	271		15	5.5	23	8.5	50	18.5	93	34.3	90	33.2

DEATHS BY AGE GROUPS

YEAR	TOTAL DEATHS	UNDER 1 YR.	1 AND UND 2	2 AND UND 5	TOTAL UND 5	5-14	15-24	25-44	45-64	65 & OVER
1916	6357	1026	390	405	821	254	335	1[illegible]97	1566	1184
1917	6205	1038	244	179	1461	237	340	1[illegible]75	1637	1255
1918	8484	1215	433	434	2082	314	780	2308	1754	245
1919	5534	862	190	186	1238	249	315	1201	1376	1[illegible]22
1920	5551	994	253	192	1439	220	327	1041	1379	145
1921	4776	837	136	134	1107	194	248	910	1256	061
1922	5209	822	198	166	1186	232	268	925	1414	1184
1923	5221	756	163	136	1055	196	305	872	1503	290
1924	5111	746	130	139	1015	199	268	975	1470	1 84
1925	5447	746	132	144	1022	206	273	1018	1640	1288
1926	5606	753	187	158	1098	156	277	10[illegible]5	1618	1442
1927	5296	636	109	112	857	210	277	974	1724	1254
1928	5735	626	156	186	968	245	304	1002	1794	1422
1929	5857	594	104	152	850	192	308	1[illegible]62	1768	1577
1930	5447	512	83	119	714	188	327	1037	1788	1393
1931	5306	490	64	98	652	172	252	1025	1747	1458
1932	4850	371	41	73	485	128	228	890	1677	1442
1933	5128	356	68	96	520	141	2[illegible]5	914	1775	1563
1934	4921	342	54	54	450	117	192	821	1779	559
1935	4996	417	46	60	523	117	[illegible]90	861	1788	1514
1936	5331	332	45	45	422	116	208	861	1892	832
1937	5256	287	51	61	400	115	202	912	1877	1850
1938	5116	310	29	45	384	86	79	75	1845	1871
1939	5005	303	23*	24*	350*	97	168	704	1777	1909
1940	5207	300*	26	33	359	55	168	703	1934	1988
1941	5127	318	30	34	382	62	138*	639*	1948**	1958
1942	5256	352	25	36	413	50*	151	682	1935	2025**

* LOWEST EVER ** HIGHEST EVER

"TOTAL DEATHS" INCLUDES ALL DEATHS IN NEWARK BOTH RESIDENT AND NON-RESIDENT AS WELL AS DEATHS OF NEWARKERS AT SOHO AND VERONA.

HEALTH FACTS -- 1917 TO 1942

YEAR	DEATHS UNDER 1 YR.	INFANT MORTALITY	BIRTHS	BIRTH RATE	DIARRHOEA DEATHS UNDER 5 YR.	T. B. DEATHS	T. B. DEATH RATE	DIPHTHERIA DEATHS	TYPHOID DEATHS	BRIGHT'S DIS. DEATHS	ORG. HEART DEATHS
1917	1031	87.8	11824	29.1	315	820	202.5	50	17	698	599
1918	1215	104.7	11575	27.0	331	798	185.6	82	15	629	633
1919	862	76.2	11297	25.7	295	637	144.8	50	9	504	529
1920	994	84.7	11734	28.3	244	540	130.4	62	8	507	492
1921	837	71.5	11705	27.5	210	446	104.9	44	12	417	510
1922	825	74.8	10993	25.4	167	428	99.1	73	12	346	640
1923	756	68.0	11110	25.3	133	406	92.5	34	11	340	727
1924	746	65.2	11449	25.7	132	392	87.9	39	12	399	729
1925	746	68.7	10852	24.0	129	378	83.4	42	5	343	850
1926	753	71.9	10460	22.7	128	421	91.5	21	7	331	948
1927	634	63.3	10010	21.5	82	387	82.9	62	6	266	1019
1928	626	63.8	9802	20.7	78	412	86.9	95	5	298	1002
1929	594	59.6	9975	20.7	52	441	91.8	96	5	258	1047
1930	512	52.3	9784	22.2	45	445	101.0	48	1	244	1005
1931	491	52.3	9506	21.4	36	412	92.4	16	2	224	980
1932	371	42.3	8746	19.4	16	360	80.0	2	4	242	958
1933	356	45.1	7897	17.6	18	388	85.8	1	2	228	1091
1934	342	45.2	7565	16.7	23	317	69.8	1	1	227	1082
1935	417	54.6	7638	16.8	24	316	69.4	1	0*	201	1118
1936	332	45.9	7236	15.8	16	346	75.7	0*	1	214	1162
1937	287	37.6	7659	16.7	32	301	65.8	1	0*	168	1158
1938	310	39.1	7936	17.3	12*	287	62.7	1	2	149	1201
1939	303	38.1	7950	17.3	20	277	60.3*	1	4	154	1240
1940	300	35.1	8538	19.9	14	309	71.9	0*	0*	124*	1360
1941	318	32.6	9765	22.8	13	274*	63.9	0*	0*	222	1530
1942	352	29.3*	12016**	28.0	12*	288	66.1	0*	0*	223	1756**

* LOWEST ON RECORD ** HIGHEST EVER

MORTALITY TRENDS SINCE 1894

YEAR	POPULATION	CRUDE DEATHS	CRUDE DEATH RATE PER 1,000	SCARLET FEVER	TYPHOID FEVER	DIPH-THERIA	TUBERCULOSIS (ALL FORMS)
				RATES PER 100,000			
1894	203,923	4,543	22.28	33.8	16.7	--	246.3
1895	215,725	4,615	21.37	16.2	23.2	126.6	225.3
1896	225,000	4,716	20.96	7.6	20.9	96.9	247.6
1897	230,000	4,010	17.43	23.5	14.3	59.6	223.0
1898	235,000	4,303	18.30	6.4	17.4	56.6	260.0
1899	240,000	3,537	[illegible]	11.2	25.0	51.7	[illegible]
1900	246,070	5,006	20.34	22.4	20.3	58.1	274.7
1901	250,000	4,806	19.22	9.2	22.8	41.2	262.0
1902	255,000	4,943	19.38	18.0	18.4	41.2	258.8
1903	266,000	4,923	18.50	26.7	23.7	45.1	269.9
1904	272,000	5,378	19.77	44.1	14.7	55.1	284.9
1905	283,239	5,025	17.74	15.9	14.1	38.8	275.7
1906	290,000	5,551	19.14	11.7	17.2	34.1	293.4
1907	300,000	5,724	19.08	13.7	23.0	31.7	265.7
1908	305,000	5,207	17.07	29.2	11.5	21.6	260.7
1909	311,000	5,529	17.77	22.5	12.5	38.8	245.6
1910	347,469	5,764	16.64	11.2	12.7	29.9	233.7
1911	352,000	5,337	15.16	6.0	10.5	21.0	200.8
1912	370,000	5,423	14.65	3.0	7.0	24.6	161.1
1913	360,000	5,562	[illegible]4.63	6.9	7.9	28.0	192.9
1914	395,000	5,809	14.70	6.8	6.6	10.4	171.1
1915	375,000	5,382	14.30	1.6	2.9	13.1	215.5
1916	385,000	6,357	16.50	1.8	6.0	14.8	203.4
1917	405,000	6,205	15.30	0.7	4.2	12.3	202.5
1918	430,000	8,483	19.72	2.6	3.5	19.1	185.6
1919	440,000	5,534	12.57	2.7	2.0	11.3	144.8
1920	414,216	5,551	13.40	2.9	1.9	14.9	130.4
1921	425,000	4,774	11.24	5.9	2.8	10.4	104.9
1922	432,000	5,209	12.06	3.5	2.8	16.9	99.1
1923	439,000	5,221	11.67	1.1	2.5	7.7	92.5
1924	446,000	5,004	11.22	1.8	2.7	8.7	87.9
1925	453,000	5,310	11.67	2.0	1.1	9.3	83.4
1926	460,000	5,450	11.85	1.3	1.5	4.6	91.5
1927	467,000	5,086	10.90	2.6	1.3	13.3	82.9
1928	474,000	5,512	11.69	1.3	1.0	20.0	86.9
1929	[illegible]	[illegible]	[illegible]	[illegible]	0.6	20.0	[illegible]
1930	[illegible]	5,239	[illegible]	0.7	0.2	[illegible]	[illegible]
1931	445,000	5,073	11.40	2.0	4.5	3.6	92.1
1932	450,000	4,682	10.40	0.7	0.9	0.5	80.0
1933	452,000	4,930	10.91	0.9	0.5	[illegible]	65.8
1934	454,000	4,764	10.49	0.4	0.2	0.2	69.6
1935	455,000	4,996	10.56	0.2	0.0	0.2	69.4
1936	457,000	5,331	11.18	1.5	0.2	NONE	75.7
1937	458,000	5,061	11.00	0.2	0.0	0.2	65.8
1938	458,000	4,970	10.85	0.2	0.4	0.2	62.7
1939	459,000	4,855	10.58	0.9	0.9	0.2	60.3
1940	429,000	5,025	11.71	NONE	NONE	NONE	71.9
1941	429,000	5,127	11.62	NONE	NONE	NONE	63.9
1942	429,000	5,256	11.86	0.2	NONE	NONE	66.1

GENERAL AND COLORED STATISTICS BY WARDS

NEWARK, N. J. - 1942

WARD	POPULATION	DEATHS	CRUDE DEATH RATE	BIRTHS	BIRTH RATE	DEATHS UNDER 1 YR.	INFANT MORT. RATE
1	26,000	209	8.0	455	17.6	12	26.3
2	11,000	192	17.4	163	14.8	6	36.8
3	26,000	437	16.8	575	22.1	29	50.4
4	6,000	145	24.1	87	14.5	3	34.5
5	17,000	151	8.9	301	17.7	8	26.[illegible]
6	20,000	214	10.7	349	17.5	12	34.4
7	13,000	173	13.3	252	19.4	11	[illegible].7
8	38,000	427	11.2	855	22.5	28	32.7
9	60,000	554	9.2	1172	19.5	22	[illegible].8
10	19,000	139	7.3	393	20.7	12	[illegible].5
11	27,000	288	10.7	577	21.4	16	27.7
12	21,000	171	8.1	377	17.9	12	[illegible]
13	56,000	499	8.9	877	15.7	28	31.9
14	31,000	288	9.3	564	18.2	19	3[illegible].7
15	13,000	128	9.8	259	19.9	12	46.3
16	45,000	390	8.7	740	16.4	15	20.3
NON-RESIDENT		763	--	4020	--	107	--
UNKNOWN ADDRESS		88	--	--	--	--	-
TOTAL	429,000	5256	11.9	12016	28.0	352	29.3

COLORED

WARD	POPULATION	DEATHS	CRUDE DEATH RATE	BIRTHS	BIRTH RATE	DEATHS UNDER 1 YR.	INFANT MORT. RATE
1	[illegible],500	25	16.7	33	22.0	1	30.3
2	2,200	45	20.1	54	24.5	2	37.0
3	14,600	250	17.1	[illegible]19	28.7	22	52.5
4	1,[illegible]00	17	[illegible]5.5	27	24.6	--	--
5	[illegible]	15	12.4	25	22.2	1	40.0
6	[illegible],[illegible]00	31	[illegible]2.9	58	24.2	4	68.9
7	[illegible],700	70	11.6	[illegible]08	22.9	7	64.8
8	2,200	20	[illegible].1	[illegible]	20.0	2	45.5
9	2,[illegible]00	[illegible]2	[illegible]	7[illegible]	24.2	2	27.8
10	[illegible],700	28	16.5	36	21.2	3	83.3
11	1,200	[illegible]8	15.[illegible]	29	24.2	3	103.4
12	450	[illegible]	13.3	5	11.1	1	200.0
13	325	7	2[illegible].5	11	33.8	2	181.8
14	4,000	72	18.0	167	41.7	13	78.0
15	3,500	32	9.1	85	24.3	5	58.8
16	1,400	12	8.6	46	32.9	1	21.7
NON-RESIDENT		15	--	28	--	--	--
UNKNOWN ADDRESS		16	--	--	--	--	--
TOTAL	45,000	721	16.0	1247	27.5	69	54.5

DOG BITES AND RABIES

YEAR	PERSONS BITTEN	ANIMALS EXAMINED	POSITIVE CASES	NEGATIVE CASES	PERSONS GIVEN ANTI-RABIC TREATMENT
1910	218	33	21	12	40
1911	350	26	11	15	26
1912	536	43	18	25	62
1913	612	41	15	26	41
1914	509	28	5	23	13
1915	566	38	3	35	3
1916	432	14	0	14	4
1917	506	34	17	17	31
1918	565	19	8	11	43
1919	493	17	3	14	4
1920	465	13	2	11	4
1921	539	16	0	16	0
1922	654	22	6	16	13
1923	955	79	23	56	92
1924	1169	73	23	50	58
1925	1120	56	22	34	42
1926	1159	67	23	44	47
1927	1355	60	21	39	29
1928	1365	28	7	21	8
1929	1522	13	0	13	1
1930	1602	24	4	20	9
1931	1855	62	20	42	26
1932	1588	94	54	40	54
1933	1902	78	30	48	32
1934	1980	53	22	31	11
1935	1900	22	0	22	0
1936	2256	29	0	29	2
1937	2296	15	0	15	2
1938	2936	141	86	55	64
1939	2890	118	64	54	38
1940	2592	45	14	31	9
1941	2594	57	24	33	27
1942	2110	16	1	15	2

NOTE - THIS TABLE DOES NOT INCLUDE EXAMINATIONS OF OUT-OF-TOWN DOGS.

AMONG THE PERSONS BITTEN, 45 WERE BY CATS, 13 BY OTHER ANIMALS AND 2 BY HUMANS. INVESTIGATIONS OF DOG BITES, QUARANTINE OF BITING ANIMALS AND SECURING ANIMALS FOR BRAIN EXAMINATION IS IN CHARGE OF TWO INSPECTORS ASSIGNED TO THE BACTERIOLOGICAL LABORATOR WHERE RABIES TESTS AND FREE PASTEUR TREATMENTS ARE GIVEN. THE WORK REQUIRED 6,040 INVESTIGATIONS DURING THE YEAR.

PAROCHIAL SCHOOL MEDICAL INSPECTION

ANN REILLY, R.N., SUPERVISING NURSE

MEDICAL INSPECTION AND HEALTH EDUCATION OF SCHOOL CHILDREN IS SUPPLIED IN THE PUBLIC SCHOOLS BY THE BOARD OF EDUCATION. THIS VITAL WORK FOR THE PAROCHIAL SCHOOL CHILDREN, OF WHICH THERE ARE OVER 2,000 IN TWENTY-NINE DIFFERENT SCHOOLS, [illegible] DEPARTMENT WITH A [illegible] NURSE AND FOURTEEN SCHOOL NURSES. THEY ARE AIDED BY THE PHYSICIANS OF THE CONTAGIOUS DISEASE AND TUBERCULOSIS [illegible], AS WELL AS OUR CITY DISPENSARY CLINICS.

THE WORK INCLUDES PHYSICAL EXAMINATION FOR THE DETECTION AND CORRECTION OF DEFECTS, IMMUNIZATION AND VACCINATION, ENFORCEMENT OF QUARANTINE AND THE TEACHING OF PERSONAL AND [illegible] HEALTH. OUR VACCINATION RECORD IS ALMOST [illegible]00% AND DIPHTHERIA IMMUNIZATION HAS BEEN OVER 99% COMPLETE FOR THE PAST FIVE YEARS. A DETAILED PHYSICAL RECORD FOLLOWS EACH CHILD THROUGH THE SCHOOL SYSTEM.

DURING THE YEAR, 18,531 PHYSICAL EXAMINATIONS WERE MADE BY THE NURSES, INCLUDING EXAMINATION OF SKIN, TEETH, EYES, EARS, THROAT AND EVIDENCE OF [illegible] BREATHING AND NUTRITION, TOGETHER WITH PERSONAL HYGIENE. [illegible] EXAMINATION IS MADE FOR EVERY CHILD EACH YEAR AND TWO IN THE YOUNGER GRADES. [illegible] PHY[illegible] THE 6TH YEAR CHILDREN MAKING 3,5[illegible]7 EXAMINATIONS AND FLUOROSCOPIES 1,409. [illegible] CASES WERE X-RAYED, BUT NONE WERE POSITIVE.

A TOTAL OF 25,556 DEFECTS WERE FOUND. MANY OF THESE DEFECTS WERE QUITE MINOR [illegible] TEMPORARY AND OFTEN ONE INDIVIDUAL WILL HAVE A GREAT NUMBER, [illegible], DEFECTIVE [illegible] TEETH. ALMOST HALF THE DEFECTS, 10,690, WERE FOR TEEETH.

THE NURSES MADE 6,600 CLASS TALKS AND 439 HOME CALLS DURING THE YEAR AND EXCLUDED 1,028 CHILDREN MOSTLY FOR CONTAGION.

MEDICAL EXAMINATION

	1942	1941	1940	1939	1938	1937	1936	1935
TEETH - DEFECT	10,690	11,113	10,301	10,882	11,594	10,172	9,462	10,959
" - CURE	5,587	3,980	3,231	3,024	3,677	3,454	3,296	4,440
NOSE & THROAT - DEFECT	3,315	3,618	3,226	3,042	3,085	2,762	2,366	2,554
" " - CURE	2,164	1,583	1,133	791	1,004	906	947	1,099
EYE & EAR - DEFECT	[illegible]	2,698	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
" " - CURE	1,571	1,225	998	668	756	674	672	908
[illegible] & UNCLEAN - DEFECT	[illegible]	[illegible]	[illegible]	2,667	3,094	[illegible]	[illegible]	3,034
" " - CURE	2,753	1,704	1,188	1,312	1,358	1,502	1,722	1,601
SKIN - DEFECT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3,548	[illegible]	[illegible]
" - CURE	4,656	3,248	1,995	3,128	3,238	2,579	2,646	3,235
MENTAL BEHAVIOR	29	15	53	14	10	18	5	20
EXCLUDED	1,028	1,069	835	958	863	961	1,260	1,182
VACCINATIONS	664	589	586	[illegible]	[illegible]	770	[illegible]	[illegible]
SCHOOL [illegible] PATIENTS	[illegible]	[illegible]	[illegible]	20,147	[illegible]	[illegible]	[illegible]	[illegible]
CLASS INSPECTION & TALKS	6,600	6,573	6,183	6,389	6,230	6,614	6,767	6,511
RE-INSPECTIONS	32,369	28,292	38,395	33,121	47,708	51,083	73,416	62,634
PHYSICAL EXAMINATIONS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20,148	22,374	23,557
GENERAL HOME CALLS	439	317	465	652	782	822	944	1,235

BUREAU OF VISUAL HEALTH EDUCATION

PETER COHEN, IN CHARGE

THE BUREAU OF VISUAL HEALTH EDUCATION'S PRINCIPAL FUNCTION IS TO EXHIBIT MOTION PICTURES ON HEALTH SUBJECTS TO ANY GROUP IN THE CITY OF NEWARK UPON REQUEST.

WE HAVE SHOWN OUR FILMS TO MANY VARIED GROUPS INCLUDING INDUSTRIAL WORKERS, DOMESTICS, FOOD HANDLERS, COMMUNITY CENTER MEMBERS, CLUB MEN AND WOMEN, FRATERNAL ORGANIZATIONS, CIVIC AND SERVICE CLUBS, VETERAN ORGANIZATIONS, HOSPITAL STAFFS, NURSING GROUPS, YOUTH LEADERS, UNION MEMBERS, PAROCHIAL SCHOOL PUPILS, HOUSING PROJECT TENANTS, PARENT TEACHER UNITS AND CHURCH AUXILIARIES.

OUR FILM LIBRARY, CONSISTING OF ALL SOUND MOTION PICTURES, INCLUDES FILMS ON CANCER, PNEUMONIA, NUTRITION, SAFETY, INFANTILE PARALYSIS, INDUSTRIAL HYGIENE, BACTERIOLOGY, RAT CONTROL, SANITARY ENGINEERING, TEETH, X-RAYS, TUBERCULOSIS AND VENEREAL DISEASE. WE ALSO HAVE SOUND FILM SLIDES ON THE SUBJECT OF EYESIGHT CONSERVATION, SAFETY AND THE PROPER METHOD OF SANITIZATION OF COOKING AND FOOD UTENSILS.

OUR OWN BUREAU HAS PRODUCED A SERIES OF KODACHROME (NATURAL COLORED) SLIDES ENTITLED "NEWARK'S HEALTH DEPARTMENT" SHOWING THE HEALTH DEPARTMENT'S ACTIVITIES. THESE ARE DESIGNED TO COMPLEMENT A LECTURER AND HAVE BEEN FOUND TO BE A VERY EFFECTIVE MEANS OF ACQUAINTING THE GENERAL PUBLIC WITH THE VARIED ACTIVITIES OF OUR DEPARTMENT.

DURING THE YEAR 1942, WE HAVE BEEN PRIVILEGED TO SHOW OUR FILMS TO APPROXIMATELY 10,000 PERSONS AT 75 DIFFERENT SHOWINGS. AUDIENCES NUMBERED FROM 2[illegible] TO [illegible]00.

THE COST OF OUR FILMS HAS RANGED FROM $5 FROM GOVERNMENT SOURCES TO $50 FROM PRIVATE SOURCES. SOUND SLIDE FILMS AVERAGE ABOUT $5. IT COST ABOUT 15¢ EACH TO PRODUCE THE KODACHROME SLIDES.

OUR EQUIPMENT INCLUDES A 16 MM SOUND PROJECTOR, A 16 MM SILENT PROJECTOR, TWO 35 MM SLIDE PROJECTORS, A 3¼X4 SLIDE PROJECTOR, THREE DIFFERENT SIZED SCREENS, LOUD SPEAKING EQUIPMENT AND PHONOGRAPH TURNTABLE DESIGNED FOR SOUND-SLIDE FILM USE, A 16 MM MOTION PICTURE CAMERA, A 35 MM CAMERA AND 2¼X3¼ VIEW CAMERA.

ANOTHER FUNCTION OF THE BUREAU HAS BEEN THE TAKING OF PHOTOGRAPHS FOR THE SANITARY, FOOD & DRUG AND INDUSTRIAL HYGIENE DIVISIONS OF THE MOST FLAGRANT VIOLATIONS. WE HAVE ALSO TAKEN PHOTOGRAPHS FOR THE INDUSTRIAL HYGIENE DIVISION OF MODEL INSTALLATIONS WHICH WE USED FOR EDUCATIONAL PURPOSES.

THIS METHOD OF COLLECTING GRAPHIC EVIDENCE HAS BEEN FOUND VERY EFFECTIVE, ESPECIALLY IF THE VIOLATOR IS PRESENT WHEN THE PHOTOGRAPHS ARE TAKEN. IT HAS THE EFFECT OF SECURING AN ABATEMENT OF THE NUISANCE OR DANGEROUS CONDITION SOONER. THESE PHOTOGRAPHS ARE USED WHEN THE VIOLATOR IS SUMMONED TO A HEARING BEFORE THE HEALTH OFFICER OR IF IT IS FOUND NECESSARY TO BRING COURT PROCEEDINGS. THEY ARE ALSO MOST VALUABLE AS A PICTORIAL RECORD OF THE CASE.

DURING THE YEAR WE RECEIVED THE COOPERATION OF THE WOMAN'S AUXILIARY TO THE ESSEX COUNTY MEDICAL SOCIETY AS CO-SPONSORS OF A "HEALTH CONSERVATION CAMPAIGN". WITH THE MEDICAL AUXILIARY, WE HAVE ALREADY STARTED TO COVER ALL THE WOMEN'S ORGANIZATIONS OF THE CITY WITH THE END IN VIEW OF CONDUCTING A HEALTH PROGRAM AT INDIVIDUAL MEETINGS.

WE HAVE ALSO SECURED THE ACTIVE COOPERATION OF THE ESSEX COUNTY DENTAL SOCIETY IN THIS SAME CAMPAIGN. WITH THE DENTAL SOCIETY AS CO-SPONSORS, WE EXPECT TO COVER ALL THE YOUTH GROUPS OF THE CITY, SUCH AS THE BOY SCOUTS AND THE GIRL SCOUTS, ON THE SUBJECT OF THE IMPORTANCE OF GOOD TEETH.

SANITARY DIVISION

CHRISTOPHER C. NUGENT, JR. - ASS'T HEALTH OFFICER.

THE PRIMARY PURPOSE OF THE SANITARY DIVISION OF THE DEPARTMENT OF HEALTH IS TO LOOK AFTER THE SANITARY CONDITION OF THE CITY AND TO ENFORCE THE SANITARY CODE. FOR THE PURPOSE OF INSPECTION, THE CITY OF NEWARK IS DIVIDED INTO TEN DISTRICTS. TO COVER THESE DISTRICTS, THE [illegible] POSSESSES THREE EMERGENCY AUTOMOBILES AND FOUR MOTORCYCLES. THE BALANCE OF THE DISTRICTS ARE COVERED ON FOOT.

THE USUAL PROCEDURE IN ABATING A NUISANCE IS TO HAVE THE INSPECTOR SERVE A WRITTEN NOTICE, A FACSIMILE OF WHICH HE CARRIES ABOUT HIS PERSON AT ALL TIMES, ON THE PERSON OR FIRM RESPONSIBLE FOR THE VIOLATION, GIVING A SPECIFIED TIME IN WHICH TO ABATE THE NUISANCE. A COPY OF THE NOTICE IS KEPT ON FILE IN THE OFFICE, OF ALL PREMISES INVESTIGATED BY THE INSPECTORS. THIS OFFICE COPY OF THE NOTICE SPECIFIES THE VIOLATIONS, ETC., NUMBER OF VISITS AND LEGAL ACTION TAKEN. THE FILE COPY OF THE NOTICE IS NOT REMOVED FROM THE ACTIVE FILE IN THE OFFICE UNTIL ALL VIOLATIONS CONTAINED THEREON ARE ABATED. ON FAILURE TO COMPLY WITH NOTICE, THE VIOLATOR IS SUMMONED BEFORE THE HEALTH OFFICER TO SHOW CAUSE FOR NEGLECT TO COMPLY WITH THE NOTICE. PERSONS WHO FAIL TO ANSWER THE SUMMONS OF THE HEALTH OFFICER AND THOSE WHO NEGLECT TO ABATE THE VIOLATIONS WITHIN THE TIME SET BY THE HEALTH OFFICER, ARE TURNED IN FOR LEGAL ACTION.

THE FOLLOWING PARTIAL LIST ENUMERATES TYPICAL INSANITARY CONDITIONS ABATED BY OUR SANITARY INSPECTORS:

- INSUFFICIENT HEAT IN HOMES AND OFFICES.
- DEFECTIVE STORM LEADERS AND GUTTERS.
- INSANITARY YARDS, CELLARS AND ALLEYWAYS.
- DARK AND WINDOWLESS ROOMS.
- BUILDINGS DEPRIVED OF CITY WATER.
- DEFECTIVE PLUMBING.
- DOG CONTROL.
- INSPECTION OF CHICKEN MARKETS.
- INSPECTION OF ROOMING HOUSES.
- ACCUMULATION OF GARBAGE AND REFUSE.
- HOUSES UNFIT FOR HABITATION
- INSPECTION OF THEATRES, LODGING HOUSES, BARBER SHOPS AND BEAUTY PARLORS.
- FOLLOW-UP OF DELINQUENT DOMESTIC REGISTRATION.

TWO INSPECTORS, INCLUDING AN ASSISTANT CHIEF INSPECTOR, ARE DETAILED WITH EMERGENCY CAR NO. 1 ON SPECIAL COMPLAINTS, RAIDING CITY DUMPS, ENFORCING THE PROVISIONS OF THE DOG MUZZLING ORDINANCE AND CONVEYING PATIENTS FROM THE HEALTH DEPARTMENT TO THEIR HOMES OR INSTITUTIONS, IN ADDITION TO BEING ASSIGNED TO DISTRICT NO. 1.

DURING THE AVERAGE YEAR, OUR SANITARY INSPECTORS MAKE APPROXIMATELY 85,000 INSPECTIONS, FIND 22,000 NUISANCES AND SECURE THE ABATEMENT OF 20,000 NUISANCES. THE REMAINING NUISANCES ARE ABATED THROUGH LEGAL ACTION.

YEARLY REPORT OF THE SANITARY DIVISION

	1936	1937	1938	1939	1940	1941	1942
TOTAL NUMBER OF INSPECTIONS	85052	83075	89070	83727	84586	88951	92302
INSPECTIONS (COMPLAINTS)	8769	9664	10056	8745	8128	7523	9902
NO. OF REINSPECTIONS	20979	20071	24463	20266	21130	23392	21526
NO. OF NUISANCES FOUND	18362	18452	22453	18373	24991	25569	30517
VERBAL NOTICES SERVED	7235	7291	9045	6804	8565	6506	439
WRITTEN NOTICES SERVED	6428	5917	8932	11078	10591	8145	13053
ABATEMENTS, VERBAL NOTICES	6460	6467	7908	6158	7149	5309	566
ABATEMENTS, WRITTEN NOTICES	6305	5413	7494	10138	9788	6862	9312
TOTAL ABATEMENTS	12765	11880	15402	16296	16937	12171	9878

FUMIGATION - PEST CONTROL

JOHN F. LYNCH, CHIEF INSPECTOR, FUMIGATION.

INSECTS ARE OF VITAL IMPORTANCE IN RELATION TO NATIONAL DEFENSE, AND THOSE WHICH ACT AS CARRIERS OF DISEASE, ATTACK AND ANNOY MAN AND ANIMALS AND REDUCE THE EFFICIENCY. THE INSECT WHICH FEEDS ON OR BREEDS IN FOOD SUPPLIES, FABRICS OR DAMAGE WOOD, DESTROY NECESSARY MATERIALS. THE CONCENTRATION OF LARGE NUMBERS OF PEOPLE AND LARGE QUANTITIES OF SUPPLIES AND MATERIALS, CREATES CONDITIONS WHICH GREATLY INCREASE THE HAZARDS OF INSECT INJURY. THEREFORE, THE APPLICATION OF PREVENTIVE MEASURES IS AN IMPORTANT AND MOST NECESSARY PART OF NATIONAL DEFENSE. INSECT CONDITIONS ARE USUALLY CONTROLLED BY CONTACT POISONS, SUCH AS SPRAYS AND POWDERS.

THE MOST THOROUGH AND QUICKEST WAY, HOWEVER, TO SECURE INSECT SANITATION IN PRIVATE, PUBLIC AND INDUSTRIAL ESTABLISHMENTS, IS THE EMPLOYMENT OF HYDRO-CYANIC ACID GAS. ALTHOUGH THIS GAS IS EFFECTIVE AND NECESSARY FROM A PUBLIC HEALTH STANDPOINT, ITS USE HAS BEEN LOOKED UPON WITH DISFAVOR BY SOME MUNICIPAL AUTHORITIES THROUGHOUT THE COUNTRY BECAUSE OF ITS HIGHLY TOXIC QUALITIES. INSTEAD OF DISCOURAGING THE PRACTICE, WE ALSO [illegible] AN ADVOCATE OF IT UNDER THE STRICT SUPERVISION OF THE DEPARTMENT OF HEALTH. IN 1937 THE NEWARK CITY COMMISSION PASSED AN ORDINANCE WHICH GAVE AUTHORITY TO THE HEALTH OFFICER TO DETERMINE OR FORM IN THE CONDITIONS UNDER WHICH FUMIGATIONS COULD BE CONDUCTED IN THIS CITY. TO DATE WE HAVE ELEVEN LICENSED PEST CONTROL COMPANIES, WHICH HAVE CARRIED OUT OVER NINETEEN HUNDRED SAFE FUMIGATIONS.

COMPLAINTS OF INSECT AND RODENT INFESTATIONS OF DWELLINGS, INDUSTRIAL ESTABLISHMENTS AND VACANT LOTS, ETC. ARE INVESTIGATED AND PROPER CONTROL MEASURES ARE ADVISED. HOUSEHOLDERS ARE WARNED AGAINST THE INDISCRIMINATE USE OF POISONS FOR EXTERMINATION PURPOSES. THE EMPLOYMENT OF COMPETENT PEST CONTROL OPERATORS ARE ADVISED.

HOUSEHOLDERS HAVE MADE NUMEROUS COMPLAINTS REGARDING SQUIRREL INFESTATIONS IN DWELLINGS THIS FALL. REPELLANTS SUCH AS LIQUID FORMALDEHYDE, PARADICHLOROBENZENE CRYSTALS OR NAPTHALENE FLAKES, WERE USED WITH MARKED SUCCESS.

THIS DEPARTMENT WOULD LIKE TO THANK JOHN B. SCHMITT, ASSISTANT ENTOMOLOGIST OF STATE OF NEW JERSEY AGRICULTURE EXPERIMENTAL STATION, BUREAU OF ENTOMOLOGY AT NEW BRUNSWICK FOR HIS VALUABLE ASSISTANCE IN IDENTIFYING VARIOUS SPECIMENS AND ADVISING CONTROL METHODS. WE WOULD LIKE TO EXTEND OUR SINCERE APPRECIATION TO [illegible] RALPH [illegible] OF THE SALVATION ARMY FOR HIS KIND ASSISTANCE IN PROVIDING CLOTHING AND PROVIDING MEANS FOR DELOUSING PERSONS WHO HAVE REPORTED TO OUR CLINICS FOR MEDICAL AID.

THE FOLLOWING IS A TABULATION OF THE ACTIVITIES OF 1942:

Activity	Number
INVESTIGATIONS, - RODENT AND INSECT	335
WRITTEN NOTICES SERVED	145
TOTAL NUMBER OF FUMIGATIONS	379
DEMOLITION OF STRUCTURES INFECTED - 5 FUMIGATED CYANOGAS	2
OCCUPIED DWELLINGS; INSECTS, HYDRO-CYANIC ACID GAS	18
FACTORIES, WAREHOUSES, FOOD PLANTS, HYDRO-CYANIC ACID GAS	12
FREIGHT CARS, FOOD TRUCKS,-CHLORPICRIN, HYDRO-CYANIC ACID GAS METHYL BROMIDE	51
VACANT LOTS, GARBAGE SHEDS, ETC. CYANOGAS	165
RUMMAGE SALES, FORMALDEHYDE	113
DELOUSING CLINIC PATIENTS	15
WAREHOUSE CHAMBER FUMIGATIONS, CHLORPICRIN (503 MATTRESSES) (50 PIECES FURNITURE)	18
* RAT BITES	6

*ALL RAT BITE CASES, APPROVED METHODS OF EXTERMINATING ENFORCED.

INDUSTRIAL HYGIENE DIVISION

LEWIS E. BOUTILLIER, CHIEF INSPECTOR

THE IMPORTANCE OF INDUSTRIAL HYGIENE HAS RAPIDLY INCREASED. THE DEMAND FOR THIS APPLIED SCIENCE WAS NEVER GREATER NOR MORE COMPLEX THAN IT IS AT THIS TIME. OUR INDUSTRIAL HYGIENE DIVISION IS ONE OF THE OLDEST OF ITS TYPE ATTACHED TO AND FUNCTIONING AS AN INTEGRAL UNIT OF A LOCAL HEALTH DEPARTMENT. ITS LENGTH OF EXISTENCE AND EXPERIENCE DATA [illegible] THEREFROM HAS ENABLED IT TO CONTRIBUTE A GREAT DEAL TOWARD THE FURTHERANCE OF INDUSTRIAL HYGIENE IN THIS CITY.

THE HEALTH OF INDUSTRIAL WORKERS IN RELATION TO THE "WAR EFFORT" IS OF FIRST IMPORTANCE. IN A RECENT ADDRESS BEFORE THE INDUSTRIAL HYGIENE FOUNDATION OF AMERICA, MANPOWER COMMISSIONER MCNUTT SAID: "THE CONTRACTOR WHO THINKS HE CAN [illegible] THE TIME [illegible] AND TOP THE QUOTA BY IGNORING HEALTH AND SAFETY REQUIREMENTS IS DUE FOR A SHOCK. [illegible] LONG, HE WILL NOT BE ABLE TO REPLACE EVERY SICK OR INJURED WORKER. ARMY AND NAVY "E" PENNANTS WON AT THE EXPENSE OF HIGH ACCIDENT AND ILLNESS RATES WILL HAVE TO BE LOWERED TO HALF-MAST."

THE WAR PLACED UPON INDUSTRY A DEMAND FOR ENORMOUS PRODUCTION. AS A RESULT MANY NEW PROCESSES WERE INTRODUCED AND NEW INDUSTRIES BEGAN TO FUNCTION. IN BOTH THE OLD AND NEW INDUSTRIES THOUSANDS OF MEN AND WOMEN ARE EMPLOYED. ONLY BY PROTECTING AND CONSERVING THE HEALTH OF THESE WORKERS WILL THERE BE A RESULTANT DECREASE IN ABSENTEEISM AND A SUBSEQUENT INCREASE IN MAN HOURS OF PRODUCTION. HENCE, THE INDUSTRIAL HYGIENE PERSONNEL ARE CONSTANTLY 'ON THEIR TOES' SEARCHING FOR INFECTIOUS, PHYSICAL OR CHEMICAL AGENTS DELETERIOUS TO THE WORKERS HEALTH.

WE ARE ENDEAVORING TO SURVEY EACH INDUSTRIAL PLANT IN THIS CITY ONCE EACH YEAR AND PERIODICALLY THEREAFTER. THROUGH THESE SURVEYS NEW INDUSTRIES AND PROCESSES ARE DISCOVERED. IN BOTH THE OLD AND NEW INDUSTRIES AND PROCESSES A THOROUGH STUDY IS MADE OF THE RAW MATERIALS AND SUBSTANCES USED, TO DETERMINE THE TOXICITY AND POTENTIAL HAZARDS ASSOCIATED WITH EACH AND THE PROTECTIVE AND CONTROL MEASURES EMPLOYED. TOGETHER WITH THIS, A STUDY IS MADE RELATIVE TO SANITATION, VENTILATION, ILLUMINATION, HOUSEKEEPING, MEDICAL AND NURSING FACILITIES AND CARE, FATIGUE AND NUTRITION.

IN JANUARY 1942, THE UNITED STATES PUBLIC HEALTH SERVICE VIA THE STATE DEPT. OF HEALTH ASSIGNED A SANITARY ENGINEER TO THIS DIVISION. HE HAS BEEN SURVEYING INDUSTRIAL PLANTS WITH THE INSPECTORS, PARTICULARLY THOSE ENGAGED IN WAR PRODUCTION. HE DETERMINES THE ATMOSPHERIC CONCENTRATION OF TOXIC SUBSTANCES AND ADVISES MANUFACTURERS REGARDING ENGINEERING CONTROL METHODS. HE IS A MEMBER OF THE DIVISION'S CONSULTANT STAFF AND ADVISES THE INSPECTORS, ETC. REGARDING ENGINEERING, CHEMICAL AND TECHNICAL PROBLEMS ENCOUNTERED IN VARIOUS PLANTS. WE HAVE PROVIDED FOR HIS USE A SUBSIDIARY LABORATORY WHEREIN HE MAKES ALL CHEMICAL ANALYSES.

IN JULY OUR INDUSTRIAL HYGIENE PHYSICIAN, DR. IRVING PLAIN, ENTERED THE ARMED SERVICES. DR. AARON H. HASKIN, DEPARTMENT [illegible] OFFICER, IS ASSIGNED TO ADVISE AND AID THE DIVISION WITH INDUSTRIAL MEDICAL PROBLEMS. HE HAS ADVISED AND [illegible] MANAGEMENT IN VARIOUS PLANTS THE NEED FOR AN ORGANIZED MEDICAL PROGRAM WITHIN THEIR RESPECTIVE PLANTS. WHEN REQUESTED HE MAKES EPIDEMIOLOGICAL STUDIES FOR THE DIVISION. EXAMPLES OF THIS ARE THREE RECENT FOOD POISONING OUTBREAKS IN TWO LARGE INDUSTRIAL PLANTS AND AN AERONAUTICAL SCHOOL.

IN SEPTEMBER A PUBLIC HEALTH NURSE WAS ASSIGNED TO THE INDUSTRIAL HYGIENE DIVISION. SHE SURVEYED NUMEROUS PLANTS AND DISCUSSED HER FINDINGS WITH THE CHIEF MEDICAL CONSULTANT AND MADE NECESSARY RECOMMENDATIONS TO MANAGEMENT WHERE NEEDED. [illegible] INDUSTRIES NOT HAVING [illegible] FOR NURSING SERVICES, THE NURSE THROUGH PERSONAL CONTACT, LETTERS OF INSTRUCTION AND RECOMMENDATION, LITERATURE AND EDUCATIONAL METHODS ENCOURAGES ADOPTION OF SERVICE BEST SUITED FOR THE RESPECTIVE PLANT.

THE INDUSTRIAL HYGIENE DIVISION HAS CORRELATED THEIR ACTIVITIES WITH THOSE OF THE VENEREAL DISEASE AND THE TUBERCULOSIS DIVISIONS. THE VENEREAL DISEASE DIVISION IS PREPARING FOR MASS WASSERMANN TESTS OF INDUSTRIAL WORKERS. THE TUBERCULOSIS DIVISION MAKES FLUOROSCOPIC AND PHYSICAL EXAMINATIONS IN INDUSTRIAL PLANTS.

INDUSTRIAL HYGIENE DIV. ACTIVITIES

	1935	1936	1937	1938	1939	1940	1941	1942
COMPLAINT INSPECTIONS	235	340	301	257	243	318	54	500
ORIGINAL INSPECTIONS	5183	8200	7215	7542	6793	6084	724	[illegible]
REINSPECTIONS	1859	2318	2126	1953	2544	1949	[illegible]	[illegible]
TOTAL INSPECTIONS	7277	10858	9642	9752	9580	8351	[illegible]	[illegible]
VIOLATIONS FOUND	874	760	652	674	1036	1040	272	1084
ABATEMENTS	866	596	496	452	771	856	[illegible]	[illegible]
WRITTEN NOTICES SERVED	518	463	388	439	558	501	583	[illegible]
VERBAL " "	28	50	68	24	240	569	467	[illegible]
TOTAL " "	546	513	456	463	798	1070	[illegible]	[illegible]
FACTORY, WORKSHOPS ETC.	4267	7360	6311	6251	6874	5645	[illegible]	[illegible]
PUBLIC BUILDINGS	87	114	81	297	77	3	12	8
LODGING HOUSES	24	74	35	24	23	16	22	5
INDUSTRIAL HYGIENE SURVEYS	-	-	-	-	-	-	-	1531 *
" NURSING "	-	-	-	-	-	-	-	[illegible] **
" MEDICAL "	-	-	-	-	-	-	-	12 **
EPIDEMIOLOGICAL STUDIES (FOOD POISONING OUTBREAKS)	-	-	-	-	-	-	-	[illegible]
FLUOROSCOPIC AND PHYSICAL EXAMINATIONS	-	-	-	-	-	-	-	[illegible] ***
LABORATORY ANALYSES	-	-	-	-	-	-	-	79
AIR VELOCITY TEST (EXHAUST)	-	-	-	-	-	-	-	[illegible]
TOTAL TESTS & ANALYSES	-	-	-	-	-	-	-	77
CHLORINATED HYDROCARBONS	-	-	-	-	-		-	8
BENZOL	-	-	-	-	-	-	-	2
LACQUER FUMES	-	-	-	-	-	-	-	27
CARBON MONOXIDE	-	-	-	-	-	-	-	[illegible]
SILICEOUS DUSTS	-	-	-	-	-	-	-	10
AMMONIA	-	-	-	-	-	-	-	3
ACROLEIN	-	-	-	-	-	-	-	2
CUTTING OILS	-	-		-	-	-	-	4
ACIDS	-	-		-		-	-	3
METAL FUMES	-	-	-	-	-	-	-	2

* THIS FIGURE INCLUDED IN TOTAL FOR ORIGINAL INSPECTION.
** DURING NOVEMBER AND DECEMBER 1942.
*** EXAMINATIONS MADE BY TUBERCULOSIS DIVISION.

D[illegible] OF [illegible]ARY ENGINEERING

CHARLES A. HALLGRING, CHIEF INSPECTOR — PATRICK J. MONAGHAN, ASST. CHIEF INSPECTOR

D[illegible]ING TH[illegible] PA[illegible]T YEAR BUILDING [illegible]NSTRUC[illegible]ION [illegible]N OUR [illegible]TY REACHE[illegible] A [illegible] [illegible]OW [illegible]ARK. MOST PLUMING CONSTRUCTION WORK HAS BEEN IN FACTORIES DOING GOVERNMENT WORK. [illegible] THAT, D[illegible] TO THE SCA[illegible]TY OF MATER[illegible]AL[illegible], EXCEPT FOR REPAIRS AN[illegible] [illegible] [illegible]NT, PLUMBING INSTALLATIONS HAVE BEEN DEFERRED.

THE WORK OF THE DIVISION IN EXAMINATION OF OIL BURNER INSTALLATIONS WITH [illegible] TO [illegible], ELIMINATION OF CROSS-CONN[illegible]CT[illegible]ONS, INSPECTIONS O[illegible] COMPL[illegible]NTS AND FIRES HAS CONTINUED.

ONE INSPECTOR HAS BEEN ILL FOR THE LATTER HALF OF THE YEAR AND THE WORK HAS BEEN CARRIED ON BY FIVE INSPECTORS.

PLUMBING INSTALLATIONS IN FACTORIES HAS INCREASED TO A LARGE EXTENT AND WE HAVE KEPT [illegible] W[illegible] T[illegible] [illegible] PLUMBING REQUIREMENTS TO PROVI[illegible] SANITARY [illegible] FOR THE ADDED NUMBER OF EMPLOYEES.

DURING THE INFANTILE PARALYSIS OUTBREAK IN THE SETH BOYDEN COURT HOUSING [illegible], [illegible] PLUMB[illegible] [illegible]CTORS GAVE THEIR T[illegible] AND SE[illegible]VICES [illegible] WITH THEIR DAILY DUTIES.

	935	1936	1937	1938	1939	1940	1941	1942
PLANS APPROVED - NEW SYSTEMS - - - -	134	161	202	140	189	206	168	135
PLANS APPROVED - OLD SYSTEMS - - - -	1388	1386	1276	1227	1194	1157	1001	677
SEWER INSPECTIONS - - - - - - - - - -	189	202	271	235	263	294	186	121
PLUMBING INSPECTIONS - - - - - - - -	8371	6353	6435	5560	4694	3777	2510	2243
[illegible]	[illegible]784	2462	2764	3[illegible]7	[illegible]40	4966	47[illegible]	[illegible]628
FINAL PLUMBING INSPECTIONS - - - - -	1464	1493	1380	1395	1260	1315	1108	1106
WATER TESTS - - - - - - - - - - - - -	499	549	558	453	433	470	379	194
SMOKE TESTS - - - - - - - - - - - - -	83	62	92	63	51	75	89	35
PLUMBING PERMITS ISSUED - - - - - - -	1522	1547	1478	1367	1385	1363	1169	812
SEWER PERMITS ISSUED - - - - - - - -	104	100	115	91	154	108	109	39
RELAY SEWER PERMITS ISSUED - - - - - -	84	63	92	95	80	85	69	82
CESSPOOL PERMITS ISSUED - - - - - - -	1	5	4	7	2	1	1	3
SEPTIC TANK PERMITS ISSUED - - - - - -	1	6	3	1	2	1	2	3
COMPLAINTS RECEIVED - - - - - - - - -	584	551	513	533	593	490	484	531
VIOLATIONS NOTICES SERVED - - - - - -	143	122	105	263	311	269	134	244
NOTICES COMPLIED WITH - - - - - - - -	146	140	64	215	246	257	270	210
LAW SUITS INSTITUTED - - - - - - - - -	20	12	6	40	71	66	28	27
LAW SUITS DISCONTINUED - - - - - - - -	12	9	5	17	35	77	20	19
PENALTIES FOR VIOLATIONS - - - - - - -	$ 75.	$ 45.	$ 5.	$100.	$ 95.	$ 15.	$115.	$ 50.
[illegible]STE[illegible] [illegible]LUMB[illegible] [illegible]CENSE EXAM. - - -	[illegible]	12	12	9	7	9	[illegible]	12
" " " " PASSED -	8	10	9	4	6	8	7	9
" " " ISSUED - - -	464	469	461	461	436	438	424	419
COMPLAINTS FROM FOOD & DRUG DIV. - -	-	-	-	799	31[illegible]	[illegible]	[illegible]	[illegible]29
CROSS CONNECTIONS DISCONTINUED - - -	-	-	-	15	11	13	47	38
WATER SAMPLES COLLECTED - - - - - - -	-	-	-	833	1055	955	1363	1231
INSPECTIONS - OIL BURNER INSTALLATIONS	-	-	-	-	4020	5459	733	145
COMPLAINTS FROM VETERINARY DIV. - -	-	-	-	-	-	28	[illegible]	6
FIRES REPORTED FOR PLUMBING INSPECTIONS	-	-	-	-	-	1638	1889	1910
ICE SAMPLES COLLECTED - - - - - - - -	-	-	-	-	-	11	11	7
DANCE HALLS INSPECTED (FORMERLY BY INDUSTRIAL HYGIENE DIVISION) -						-	333	332

COMMUNICABLE DISEASE DIVISION

DR. J. W. GARDAM, MEDICAL DIRECTOR -- LEO G. DUFFY, CHIEF INSPECTOR

THE COMMUNICABLE DISEASE DIVISION IS RESPONSIBLE FOR CONTROLLING AND PREVENTING THE SPREAD OF DISEASES OTHER THAN VENEREAL AND TUBERCULOSIS. CASES REPORTED TO US BY PHYSICIANS, NURSES, ETC., ARE VISITED BY OUR INSPECTORS, ISOLATION ESTABLISHED AND CONTACTS QUARANTINED, PLACARDS PLACED, AND CASES FINALLY RELEASED AT THE TERMINATION OF THE USUAL PERIOD ESTABLISHED BY LAW. MANY HOMES ARE [illegible] FREQUENTLY WHERE IT IS NECESSARY TO MAINTAIN STRICT SUPERVISION TO ENFORCE [illegible] QUARANTINE. THE DIVISION ALSO CARRIES ON A PROGRAM OF IMMUNIZATION AND VACCINATIONS. ALL CONTACTS TO DISEASES ARE EXAMINED BY THIS DIVISION BEFORE RETURNING TO SCHOOL OR BUSINESS.

A GREAT DECREASE WAS NOTED DURING THE YEAR IN GERMAN MEASLES WITH ONLY 379 CASES COMPARED WITH THE EPIDEMIC FIGURE OF 6552 IN 1941. THERE WAS A MARKED REDUCTION ALSO IN PREVALENCE OF SCARLET FEVER, MUMPS AND CHICKENPOX. OTHER DISEASES WERE ABOUT NORMAL. DURING THE YEAR BOTH EPIDEMIC MENINGITIS AND POLIOMYELITIS SHOWED INCREASES, WITH A POLIOMYELITIS OUTBREAK IN A HOUSING PROJECT NEAR THE SOUTHERN BORDER OF THE CITY. THE ENTIRE PROJECT WAS UNDER QUARANTINE FOR THREE WEEKS.

THE INCREASE TO 416 REPORTED CASES OF VINCENT'S ANGINA WAS DUE TO THE FACT THAT IT WAS MADE REPORTABLE BY ORDINANCE AND PUBLICITY GIVEN AMONG DOCTORS AND DENTISTS.

TOTAL NUMBER OF INSPECTORS' VISITS
1932 TO 1942 (INCLUSIVE)

1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942
24,839	[illegible]	38,613	37,6[illegible]8	25,483	28,368	23,785	21,[illegible]4	3[illegible],141	3[illegible]	3[illegible],967

MORBIDITY REPORT -- 1934 TO 1942

DISEASES	1934	1935	1936	1937	1938	1939	1940	1941	1942
* DIPHTHERIA - - -	10	12	2	5	23	13	NONE	2	NONE
* SCARLET FEVER -	641	643	3146	504	496	1201	931	1087	645
* TYPHOID FEVER -	13	15	11	6	5	25	6	2	5
PARA TYPHOID - -	2	1	1	1	2	5	1	3	1
TUBERCULOSIS - -	671	654	645	57[illegible]	600	534	586	[illegible]	674
UNDULANT FEVER -	1	0	1	5	1	10	3	5	0
TRICHINOSIS - -	0	0	0	2	0	0	0	3	3
LOBAR PNEUMONIA -	[illegible]	[illegible]	1013	1210	889	1069	991	[illegible]	952
BRONCHO " -	860	912	[illegible]	928	715	662	583	[illegible]	597
* EPIDEM-MENING. -	7	8	47	24	4	3	7	4	36
* INFANT-PARALYSIS	6	49	4	19	6	5	10	18	37
** WHOOPING COUGH -	1764	2389	1154	929	2116	2343	1051	1302	1534
* MEASLES - - - - -	491	6907	643	9323	399	163	6878	4259	4105
GERMAN MEASLES -	1675	1069	375	445	91	81	170	6552	379
* CHICKENPOX - - -	2649	2630	2069	2571	4164	1173	2439	3632	2957
* MUMPS - - - - -	165	1040	2952	919	1094	679	3503	1389	578
ERYSIPELAS - - -	106	145	134	96	120	8	[illegible]	29	92
VINCENTS ANGINA-	237	210	174	182	221	182	140	98	416
OPHTHALMIA NEON.	6	7	126	121	155	151	127	58	91
PUERPERAL FEVER-	6	7	0	1	1	0	4	4	0
DYSENTERY - - -	3	2	1	5	3	1	2	2	2
TETANUS - - - -	2	5	3	3	1	2	1	2	3
INFLUENZA - - -	421	259	236	312	39	104	89	424	138

* PLACARDED. TYPHOID FEVER AND INFANTILE PARALYSIS INVARIABLY HOSPITALIZED.

** WHOOPING COUGH - ARM BANDS ON PATIENTS.

FOOD & DRUG DIVISION

SAMUEL G. SHARWELL - CHIEF INSPECTOR

DURING THE YEAR OUR INSPECTORS CARRIED OUT THE FOLLOWING PROGRAM:

FOOD & DRUG CONTROL - INSPECTORS DETAILED TO THIS TYPE OF WORK, CARRY OUT:

THE INSPECTION AND [illegible] OF ALL TYPES OF FOOD AND DRUG ESTABLISHMENTS, RESTAURANTS, TAVERNS, [illegible], CONFECTIONERIES, AND ALL OTHER TYPES OF RETAIL AND WHOLESALE, MANUFACTURING, PACKING AND DISTRIBUTING ESTABLISHMENTS.

[illegible] ESTABLISHMENTS ARE CHECKED [illegible] PROPER CONSTRUCTION, EQUIPMENT, [illegible] OPERATION, ETC., QUALITY OF FOODS AND DRUGS SOLD, PROPER LABELING, FOODHANDLER LICENSES.

CONDEMNATION OF ALL FOODS AND DRUGS WHERE FOUND UNFIT FOR HUMAN CONSUMPTION.

ENFORCE ALL FEDERAL, STATE AND LOCAL LAWS, ORDINANCES, CODES AND REGULATIONS.

INVESTIGATE COMPLAINTS OF ALL TYPES AND [illegible] PERTAINING TO GENERAL FOOD AND DRUG CONTROL WORK AND FOOD POISONINGS.

COLLECT FOOD AND DRUG SAMPLES FOR BACTERIAL AND CHEMICAL ANALYSES.

PRINCIPAL CITY FOOD AND DRUG INSPECTIONS

TYPES OF FOOD ESTABLISHMENTS	1936	1937	1938	1939	1940	1941	1942
RESTAURANTS, LUNCHROOMS, ETC. - -	6158	5840	6064	7934	7333	5721	5483
CAFES-TAVERNS - - - - - - - - - -	4551	3759	3514	3238	2832	2927	2854
BAKERIES-MFG. PLANTS - - - - - - -	211	516	687	1377	951	1015	1152
RETAIL STORES - - - - - - - -	1165	766	1365	1011	978	547	612
WHOLESALE DEALERS - - - - -	108	59	47	111	12	159	79
CANDY-RETAIL STORES - - - - - - -	2464	1696	2570	2612	2602	2380	2350
GROCERIES-RETAIL STORES - - - - -	4591	2810	5367	5880	5257	6723	4986
PRODUCE-RETAIL STORES - - - - - -	853	735	1053	1189	1069	900	931
DRUGS-RETAIL STORES - - - - - - -	579	272	465	496	621	620	376
ICE CREAM-MFG. PLANTS - NEWARK -	81	198	183	213	146	116	169
MFG. PLANTS-OUT OF CITY - - -	51	52	51	115	67	65	91
NON-ALCOHOLIC BEV. PLANTS-NEWARK -	44	46	155	95	86	40	46
OUT OF CITY - - - - - - - - - -	39	9	16	45	9	5	23
MISCL. WHOLESALE & FOOD MFG. - -	-	-	-	327	433	179	2193
MISCELLANEOUS - - - - - - - - - - -	-	-	-	244	189	715	459
SPECIAL INVESTIGATIONS - - - - -	1403	1754	1483	1085	905	1488	674
TOTAL INSPECTIONS - - - - - - -	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]484	[illegible]	22478

OF THE TOTAL INSPECTIONS, [illegible] WERE REINSPECTIONS AND 3,7[illegible]6 NOTICES WERE SERVED. PRACTICALLY ALL VIOLATIONS ABATED; THE ABOVE ARE THE MOST FREQUENT BUT DO NOT INCLUDE MANY VARIED TYPES OF INSPECTIONS.

CITY MILK CONTROL - INSPECTORS DETAILED TO THIS TYPE OF WORK, CARRY OUT:

THE COLLECTION OF MILK AND CREAM SAMPLES FOR BACTERIAL AND CHEMICAL ANALYSIS AND FOR SEDIMENT AND PHOSPHATASE MILK TESTS AND INVESTIGATE ALL COMPLAINTS PERTAINING TO IMPROPER SANITATION OR ADULTERATION OF MILK AND CREAM.

COUNTRY MILK CONTROL - INSPECTORS DETAILED TO THIS TYPE OF WORK, CARRY OUT:

THE INSPECTION OF COUNTRY MILK PLANTS AND DAIRIES SHIPPING MILK AND CREAM INTO THE CITY OF NEWARK AND MAINTAINED ON THE NEWARK APPROVED LIST OF MILK AND CREAM SUPPLIES.

SAMPLES OF RAW MILK ARE COLLECTED AT COUNTRY MILK PLANTS FOR SHIPMENT TO CITY LABORATORY.

TEMPERATURE, SEDIMENT AND PHOSPHATASE MILK TESTS ARE MADE AT COUNTRY PLANTS.

INVESTIGATIONS ARE MADE OF CONTAGIOUS DISEASE CASES THAT OCCUR AT COUNTRY MILK PLANTS AND ON DAIRIES.

CHECK UPS ARE MADE OF RECORDS COVERING VETERINARY PHYSICAL EXAMINATION OF DAIRY HERDS, PROPER SEGREGATION OF DISEASED AND AILING ANIMALS ON DAIRIES AND THEIR DISPOSITION.

DURING THE YEAR 1942, WARTIME CONDITIONS CAUSED MANY PROBLEMS IN THE MILK INDUSTRY THROUGH SHORTAGE OF EQUIPMENT AND REPLACEMENT PARTS, TOGETHER WITH LABOR SHORTAGE. [illegible] OF THE YEAR, WAS THE INCREASED [illegible] SHORT-TIME [illegible]. THIS IS PASTEURIZATION BY A HIGHER TEMPERATURE, 161 DEGREES FAHRENHEIT FOR A [illegible] PERIOD, 16 SECONDS, COMPARED WITH THE PREVIOUS METHOD REQUIRING 25 MINUTES. [illegible] ALTHOUGH THE PROCESS, IF PERFECTLY CARRIED OUT, EFFICIENTLY DESTROYS PATHOGENIC ORGANISMS, HEALTH DEPARTMENTS ARE CLOSELY OBSERVING TO SEE WHETHER THE CHANGE [illegible] PERMANENT APPROVAL.

COMPOSITE AVERAGES OF NEWARK'S MILK SUPPLIES

GRADES OF MILK	NO. SAMPLES	BACTERIA PER C.C.	NO. SAMPLES	% BUTTER-FAT	% TOTAL SOLIDS
CERTIFIED	40	7,200	40	4.23	13.42
GRADE A. PASTEURIZED AND PREMIUM	895	8,200	895	4.34	13.31
GRADE B. PASTEURIZED & PASTEURIZED (NO GRADE)	1,155	4,000	1,159	3.79	12.83
TOTALS - GRAND AVERAGES	2,094	5,900	2,094	4.03	13.05

DISH WASHING -
A HEALTH MENACE

FOR YEARS, DISHWASHING HAS BEEN VIEWED AS A NECESSARY EVIL IN THE FOOD HANDLING BUSINESS. THAT DISHES, GLASSES, AND SILVERWARE ARE NOT WASHED PROPERLY IN MANY INSTANCES IS MORE OR LESS TO BE EXPECTED WHEN THE BACKGROUND OF DISHWASHING IS CONSIDERED. THE DISHWASHER IS ORDINARILY [illegible] MOST POORLY PAID AND UNTRAINED OF ALL RESTAURANT EMPLOYEES, AND [illegible] AND SLIPSHOD HANDLING OF HIS JOB IS UNDERSTANDABLE.

WRONG DETERGENTS OR INADEQUATE SUPPLIES OF WATER OF THE PROPER TEMPERATURE MAY NEGATIVE THE RESULTS OF THE BEST EQUIPMENT OR EFFORTS. OF WHAT USE RINSING IF THE RINSE WATER IS NOT HOT ENOUGH OR THE RINSE LONG ENOUGH TO BE OF ANY REAL USE? HOT [illegible] REPRESENTS MONEY TO ANY RESTAURANT OPERATOR, AND FREQUENTLY [illegible] AN INSUFFICIENT SUPPLY OF WATER OF A HIGH ENOUGH TEMPERATURE.

IT IS IMPOSSIBLE TO SAY WITH ANY DEGREE OF ACCURACY HOW MANY COMMON COLDS, HOW MANY CASES OF TRENCH MOUTH, PNEUMONIA, INFLUENZA, OTHER CONTAGIOUS DISEASES AND INFECTIONS HAVE BEEN A DIRECT RESULT OF FAULTY SANITIZING IN PUBLIC EATING ESTABLISHMENTS. BUT IT IS, HOWEVER, A FACT ALMOST TOO WELL KNOWN TO BE HERE REPEATED THAT CERTAIN INFECTIONS AND DISEASES CAN BE TRANSMITTED BY DIRTY EATING UTENSILS.

AN INTENSIVE CAMPAIGN HAS BEEN CONDUCTED THROUGHOUT THE CITY TO SEE THAT DISHES, GLASSES AND TABLEWARE ARE PROPERLY SANITIZED AND THAT [illegible] FOOD ESTABLISHMENTS AND THEIR PERSONNEL ARE MADE FULLY AWARE OF THE VITAL IMPORTANCE OF EFFECTIVELY STERILIZING SAME. LABORATORY CHECK SAMPLES ARE TAKEN AND VIOLATORS ARE MADE AWARE OF THEIR FAILURE TO PROPERLY STERILIZE AND TO DETERMINE JUST WHERE AND WHY THEY ARE AT FAULT.

[illegible]

	1940		1941		1942	
	NO. SAMPLES	%	NO. SAMPLES	%	NO. SAMPLES	%
NO. OF TAVERNS FROM WHICH SAMPLES TAKEN	433		788		996	
TOTAL NUMBER OF BACTERIAL SAMPLES TAKEN	456		1000		1375	
NO. FOUND STERILE - - - - - - - - - - - -	89	19.54	234	23.40	399	29.02
NO. WITH COUNTS FROM 1 TO 1,000 - - - -	103	22.58	188	18.80	335	24.36
NO. " " " 1,001 TO 100,000	195	42.75	452	45.20	538	39.13
NO. " " OVER 100,000 - - - - -	69	15.13	126	12.60	103	7.49
AVERAGE BACTERIAL COUNT - - - - - - - - -	77,700		6[illegible],000		38,[illegible]00	
SAMPLES SATISFACTORY - - - - - - - - - -	387	84.87	874	87.40	1,272	
" UNSATISFACTORY - - - - - - - - -	69	15.13	126	12.60	103	
TOTAL NUMBER OF COLON SAMPLES TAKEN - -	456		1000		1375	
NO. FOUND STERILE - - - - - - - - - - - -	231	50.86	616	61.60	916	66.62
NO. WITH COUNTS FROM 1 TO 50 - - - - - -	111	24.12	187	18.70	209	15.20
" " OVER 50 - - - - - - - - -	114	25.00	197	19.70	250	18.18
AVERAGE COLON COUNT - - - - - - - - - - -	97		83		78.55	
SAMPLES SATISFACTORY - - - - - - - - - -	319	75.00	803	80.30	1125	
" UNSATISFACTORY - - - - - - - - -	114	25.00	197	19.70	250	

MILK PLANT & DAIRY INSPECTION REPORT

INSPECTIONS	METROPOLITAN MILK SHED	[illegible] MILK SHED	TOTAL
PASTEURIZING PLANTS	121	6	127
RECEIVING PLANTS	85	5	90
DAIRIES	15,053	1,107	16,160
REINSPECTIONS	10	-	10
RECEIVING PLANTS	9	-	9
DAIRIES	452	-	452
MILK PLANTS EXCLUDED	3	-	3
DAIRIES EXCLUDED	339	15	354
MILK CONDEMNED (QUARTS)	39,405	2,760	42,165

DAILY AVERAGE MILK CONSUMPTION IN NEWARK

POPULATION 429,000 DAILY MILK CONSUMPTION - - 205,445 QTS.

0.93 PINT PER CAPITA PER DAY

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VETERINARY DIVISION

BERNARD J. DROLET, V.M.D. - CHIEF VETERINARIAN

THIS DIVISION INSPECTS EVERY BUTCHER SHOP AND ALL ESTABLISHMENTS WHERE MEAT IS PREPARED OR HANDLED. ALL MEAT TRUCKS, POULTRY AND MEAT FREIGHT CARS AND SLAUGHTERHOUSES ARE ALSO INSPECTED FOR SANITATION AND QUALITY OF MEAT.

CHAPTER 5, ARTICLE 3, SECTION 24 [illegible] THE N[illegible] FOOD, DRUG AN[illegible] COSMETIC LAW AND [illegible] REGULATIONS SETS FORTH REGULATIONS MAKING IT NECESSARY FOR [illegible] FOOD [illegible] TO SO MARK THE PRODUCT THAT THE ORDINARY INDIVIDUAL MAY BE ABLE TO ASCERTAIN THE [illegible] OF SOURCE'S NAME AS WELL AS THE INGREDIENTS OF THE PRODUCT.

THE GREAT DEMAND FOR MEAT SUPPLIES TO BE SHIPPED ABROAD TO OUR OWN SOLDIERS AND OUR ALLIES HAS CAUSED A VERY DEFINITE CURTAILMENT IN THE MEAT SUPPLY.

THE GREATER PART OF OUR MEAT SUPPLY HAS BEEN SLAUGHTERED BY THE COUNTRY'S [illegible] LARGE PACKING HOUSES WITH A FEW SMALL SLAUGHTER HOUSES IN SOME OF THE [illegible] CIT[illegible] [illegible] INSPECTION AND A GREAT AMOUNT OF SMALL UNSANITARY SLAUGHTERING [illegible] IN THE COUNTRY TO SUPPLY THE FARM PEOPLE AND SUBURBAN TOWNS. THE LATTER SLAUGHTERING IS OFTEN DONE UNDER NO FORM OF INSPECTION WHATSOEVER.

THESE CONDITIONS HAVE CAUSED A BAD BLACK MARKET IN MEAT, AND CAUSED JOBBERS IN THE CITY TO BRING IN BOOTLEG MEATS FROM ANIMALS SLAUGHTERED UNDER [illegible]TIONABLE CONDITIONS WITH NO INSPECTION AT ALL. THIS MADE FOR A TREMENDOUS INCREASE IN THE [illegible] OF TH[illegible] DIVISION, REQUIRING CONSTANT VIGILANCE. MANY OFFENDERS HAVE BEEN APP[illegible] AND FINED.

TO HELP FILL THE VOID IN THE BEEF SUPPLY, AN ORDINANCE IS BEING ADOPTED PERMITTING THE SALE OF HORSE FLESH WHICH IS ADMITTEDLY GOOD FOOD UNDER CERTAIN [illegible]TIONS IN NEWARK.

DURING THE YEAR, 20,790 CATTLE, CALVES, SHEEP AND GOATS WERE INSPECTED AND [illegible] AT ABATTOIRS. [illegible] DRESSED CALVES INSPECTED NUMBERED 7,9[illegible] TO[illegible] [illegible] [illegible] HOUSES, SH[illegible] [illegible]. CONDEMNATIONS DURING THE YEAR INCLUDED [illegible],[illegible]59 LBS. [illegible] MEATS, 7,25[illegible] [illegible]TRY, 175 LBS. FISH AND CONSIDERABLE QUANTITIES OF PROVISIONS AND 99 CARCASSES OF ANIMALS.

<u>INSPECTIONS</u>

	1937	1938	1939	1940	1941	1942	NO. OF SHOPS
BUTCHER SHOPS	24,321	23,186	33,712	22,371	23,489	21,383	650
FISH STORES	4,016	4,223	5,827	3,559	3,556	3,225	101
BOLOGNA KITCHENS	1,088	1,158	1,471	1,664	2,638	1,425	35
POULTRY SLAU-HOUSES	1,554	1,881	2,197	1,580	2,045	1,084	68
WHOLESALE BEEF HOUSES	6,335	6,167	7,102	4,874	4,616	3,966	37
" FISH "	869	927	1,121	832	808	805	12
" LIVE POULTRY "	2,526	2,212	2,651	3,044	4,123	3,038	9
PUBLIC MARKETS	1,984	1,161	1,972	401	827	1,039	40
MEAT PACKING PLANTS	-	-	-	564	579	509	5
DOG MEAT PACKING "	-	-	-	13	45	0	0
REFRIGERATING PLANTS	70	30	42	21	12	39	1
INSTITUTIONAL MEAT	930	971	1,064	751	598	465	9
" ICE-BOXES	533	457	492	415	349	289	3
ABATTOIRS	82	30	56	75	65	165	7
PET SHOPS	445	424	627	300	420	382	19
BOLOGNA STAMPINGS MADE	1,465	872	2,920	723	1,623	1,051	24

CITY DISPENSARY

AARON H. HASKIN, MEDICAL RECEIVING OFFICER
[illegible]

THE CITY DISPENSARY PROVIDES FREE TREATMENT FOR INDIGENT NEWARK RESIDENTS FOR PRACTICALLY EVERY KNOWN PHYSICAL CONDITION. IT ALSO PROVIDES FREE MEDICATION AND HOME VISITS TO BED-RIDDEN PATIENTS. IN ADDITION TO THIS TYPE OF SICK RELIEF, THE [illegible] THE CITY DISPENSARY CLOSELY COOPERATES WITH OTHER HEALTH DIVISIONS AND AGENCIES.

THERE WAS A GREAT DECREASE IN CLINIC ATTENDANCE DURING THE YEAR, A DROP OF 50% COMPARED WITH 1940. THE MAJOR PART OF THIS DECREASE WAS CAUSED BY ECONOMIC CONDITIONS AND THE ABILITY TO PAY. AT ONE TIME DURING THE DEPRESSION, OVER 40% OF OUR ENTIRE POPULATION WERE CONSIDERED ELIGIBLE FOR TREATMENT. DURING THE PAST YEAR, ELIGIBILITY WAS LIMITED STRICTLY TO THOSE ON RELIEF, CERTIFIED W.P.A. WORKERS AND A FEW EXCEPTIONAL CASES. THE STAFF OF DISTRICT PHYSICIANS WERE PLACED ON A COMPENSATION BASIS OF $2.00 PER CALL, INSURING BETTER QUALITY AND SUFFICIENT TIME IN THE HANDLING OF THE INDIGENT CASES IN THE HOME. SUCH PATIENTS, IF FOUND ABLE TO PAY, WERE BILLED THROUGH THE CITY BUREAU OF CLAIMS.

THE CLINICS GAVE DURING THE YEAR, 62,595 TREATMENTS. PRESCRIPTIONS NUMBERED 65,719, A SIMILAR RATE OF DECREASE. DURING THE YEAR, THE DISPENSARY ALSO FILLED AND DISTRIBUTED 12,812 BOTTLES OF COD LIVER OIL AND 858 BOXES OF A.D. VITAMIN CAPSULES, WITHOUT COST, TO WELL-BABY STATIONS, PAROCHIAL AND PUBLIC SCHOOLS. THE FOLLOWING FIGURES ARE THOSE OF OUR GENERAL TREATMENT CLINICS ONLY. DETAILS APPEAR ELSEWHERE IN DIVISIONAL REPORTS SHOWING TUBERCULOSIS AND CARDIAC TREATMENTS AND EXAMINATIONS, FOOD HANDLER AND DOMESTIC EXAMINATIONS AND VENEREAL DISEASE TREATMENTS.

[illegible]	1936	1937	1938	1939	1940	1941	1942
MEDICAL	21714	25810	28869	33942	29927	22839	[illegible]5072
CHILDREN	4895	4935	5692	5720	4592	3755	2353
SURGICAL	9802	10507	11435	1[illegible]305	8506	7101	4895
GYNAECOLOGICAL	1536	1801	2208	2292	1794	1414	818
SKIN	6944	7030	8040	6872	6081	4603	2921
RECTAL & G.E.	3591	4116	5742	7145	6428	4990	2819
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DENTAL	15253	17797	25147	23566	17908	12040	10147
[illegible]	[illegible]	490	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ESSEX COUNTY HOSPITAL	536	380	386	465	445	338	257
NERVOUS DISEASES	2899	3172	3765	4107	3562	3227	2203
METABOLIC	5145	5105	5745	6027	5441	4648	2809
VARICOSE VEINS	1630	1629	1904	2178	2155	2620	1614
VACCINATION	510	1181	1076	1069	1100	1528	1768
ALPINE LAMP	883	874	614	745	553	551	285
MASSAGE & ELECTRIC THERAPY	2338	2825	1783	1729	1450	1051	883
[illegible]	371	427	610	727	837	538	285
[illegible] IMMUNIZATIONS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
INSULIN & OTHER INJECTIONS	3937	4076	4503	3996	4089	1144	1682
[illegible]	357	523	669	788	1036	1043	604
URINALYSIS	3776	3696	4095	4093	3501	3086	1970
CIRCUMCISION	-	-	-	-	-	802	595
TUMOR, ANEMIA & ULCERS	-	-	-	311	1235	613	401
[illegible] CLINIC	-	-	-	-	[illegible]	[illegible]	4406
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DIFFERENT PATIENTS TREATED	27354	32055	37650	37672	33557	24078	17577
DISTRICT DOCTOR CALLS	10340	18752	20656	22291	25654	24416	13031
PRESCRIPTIONS	92980	116946	122157	133661	125258	100730	65719
DENTAL PATIENTS X-RAYED AT DISP.	-	-	-	-	-	-	1246
" " X-RAY EXPOSURES	-	-	-	-	-	-	3432
MISCL. " X-RAYED AT DISP.	-	-	-	-	-	-	530
" " X-RAY EXPOSURES	-	-	-	-	-	-	1181

REHABILITATION CLINIC

AN EMPLOYABILITY OR REHABILITATION CLINIC, ESTABLISHED IN 1939, CONTINUED TO [illegible] FOR THE CITY WELFARE DEPARTMENT, MAKING 4,76[illegible] EXAMINATIONS. THEY WERE CLASSIFIED AS TO DEGREE OF EMPLOYABILITY AND STUDIES WERE MADE AS TO CAUSES [illegible] OF THIS [illegible]. [illegible] CAUSES OF DISABILITY. A STRIKING NUMBER OF SUCH CASES WERE FOUND SUFFERING FROM [illegible] DISORDERS, AND TO A DISPROPORTIONATE DEGREE IN THE 30 TO 39 YEAR AGE GROUP. THIS IS A CHALLENGE TO THOSE INTERESTED IN THE REHABILITATION OF UNEMPLOYABLES. IT IS AMONG SUCH CASES THAT VOCATIONAL GUIDANCE COULD RETURN TO GAINFUL EMPLOYMENT, MANY INDIVIDUALS WHO WOULD OTHERWISE BE PERMANENT RELIEF CLIENTS AND A SERIOUS PROBLEM NOT ONLY TO THE RELIEF DEPARTMENT BUT TO THEIR FAMILIES AND FRIENDS.

DEGREE OF EMPLOYABILITY (AGE GROUPS)

		EMPLOYABLE			UNEMPLOYABLE		
AGE GROUP	TOTAL	FULL EMP.	LIGHT WORK	TOTAL	PER.	TEMP.	TOTAL
16 TO 19	92	47	11	58	10	24	34
20 TO 29	421	125	124	249	41	131	172
30 TO 39	816	152	292	444	110	262	372
40 TO 49	1148	99	394	493	325	330	655
50 TO 59	1390	55	357	412	714	264	978
OVER 60	813	19	126	145	598	70	668
TOTAL	4680	497	1304	1801	1798	1081	2879

CAUSES OF UNEMPLOYABILITY (AGE GROUPS)

	TOTAL	MALE	FEMALE	WHT	BLK	UND. 19	20-29	30-[illegible]	40-49	50-59	OVER 60
HYPERTENSION	961	284	677	440	521	1	16	88	236	392	228
HEART DISEASE	805	277	520	462	343	5	27	55	161	289	268
ARTHRITIS	422	149	273	194	228	2	27	58	116	143	76
MENTAL DISEASE	324	89	237	227	97	9	48	96	81	67	23
OTHER NERV. D.	176	85	91	102	74	3	9	37	47	59	21
[illegible]	[illegible]	-	[illegible]	[illegible]	75	-	-	14	101	26	-
TUBERCULOSIS	187	122	65	125	62	7	35	60	45	28	12
LUNGS (NOT TB)	222	120	102	128	94	3	25	40	55	75	24
HERNIA	113	77	36	85	28	-	5	17	21	41	29
DIS. OF G.U.	116	53	63	78	38	-	9	21	25	38	23
SYPHILIS	103	52	51	33	70	6	16	19	30	24	8
DIABETES	59	20	39	34	25	-	4	4	7	32	12
OTHER METABLIC	129	17	112	66	63	-	11	42	30	37	9
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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TUBERCULOSIS DIVISION

DR. M. JAMES FINE, DIRECTOR -- DR. IRVING MILLNER, ASST. DIR.
[illegible]E JACKENHUTH, R.N., SUPV. NURSE

MORTALITY RATE 66.1 PER CM

TUBERCULOSIS MORTALITY AND MORBIDITY IN 1942 SHOWED A SLIGHT INCREASE. MORTALITY FROM 63.9 TO 66.1 AND MORBIDITY FROM 142.7 TO 157.1. THE MAJOR CAUSE OF THIS INCREASE IS PROBABLY THE GREAT INFLUX OF DEFENSE WORKERS FROM ALL OVER THE COUNTRY AND A MORE ACCURATE RATE WOULD REQUIRE A POPULATION ADJUSTMENT.

BEFORE THE WAR, HOUSING IN THE CITY WAS NOT ONLY SUFFICIENT BUT A GREAT NUMBER OF VACANCIES EXISTED IN HOMES AND APARTMENTS. NOW, EVEN WITH THE ADDITIONAL HOUSING PROJECTS COMPLETED, THERE IS INSUFFICIENT APARTMENTS TO HOUSE THE NEW ARRIVALS.

THE INCREASE IN THE NUMBER OF NEW CASES IN 1942 WAS 62 AND DEATHS 14. MANY ACTIVE CASES HAVE MOVED IN WITH THE DEFENSE POPULATION. OTHER FACTORS CONTRIBUTING TO THE FINDING OF MORE ACTIVE TUBERCULOSIS ARE:

A. INCREASING EXAMINATION OF EMPLOYEES IN DEFENSE PLANTS.
B. MORE STRINGENT FOLLOW-UP OF INTIMATE AND FAMILY CONTACTS WITH ACTIVE CASES OF TUBERCULOSIS.
C. THE DISCOVERY OF ACTIVE CASES OF TUBERCULOSIS AMONG DRAFTEES THROUGH THE X-RAYING AT THE INDUCTION BOARDS.
D. THE INTENSIVE SURVEYS CONDUCTED LAST YEAR MADE BY OUR TUBERCULOSIS W. P. A. PROJECT.

WITH THE COOPERATION OF THE STATE BOARD AND U. S. PUBLIC HEALTH SERVICE, THE X-RAY EXAMINATION OF EMPLOYEES IN DEFENSE INDUSTRIES IS BEING INCREASED TO SUCH AN EXTENT THAT IT ACTS AS A STIMULANT TO A GREAT MANY INDUSTRIAL PLANTS TO INSTITUTE AND ESTABLISH THEIR OWN X-RAY EXAMINATIONS OF EMPLOYEES.

IN THE X-RAYING OF THE INTIMATE AND FAMILY CONTACTS OF TUBERCULOSIS CASES WE HAVE [illegible] MANY NEW CASES, EVEN WHOLE FAMILIES WHO WERE AFFLICTED [illegible] WITHOUT ACTUAL KNOWLEDGE THAT THEY HAD THE DISEASE. IN ONE FAMILY OF THREE, ALL HAD THE DISEASE AND HAD TO BE SENT TO THE SANATORIUM. IN ANOTHER FAMILY ONE BOY WAS REPORTED. WHEN THE CONTACTS WERE X-RAYED, THREE BROTHERS AND ONE SISTER WERE FOUND TO BE TUBERCULOUS.

PHYSICAL AND FLUOROSCOPIC EXAMINATIONS IN 1942 NUMBERED 9,724. ANOTHER FEATURE ADDED THIS YEAR WAS THE FLUOROSCOPIC EXAMINATION OF PAROCHIAL SCHOOL CHILDREN. [illegible] 1,409 [illegible] EXAMINATIONS [illegible] SUSPICIOUS CASES WERE X-RAYED [illegible] CONFIRMED AS POSITIVE.

AN ADDITIONAL OUTSIDE CLINIC WAS ESTABLISHED AT THE BAXTER COURT HOUSING PROJECT AND 133 EXAMINATIONS WERE MADE. EXAMINATIONS IN OUR FIVE OUTSIDE CLINICS IN- [illegible] 754 IN 1941 TO 329. THERE WAS AN INCREASE IN THE NUMBER OF ACTIVE CASES [illegible] FOOD HANDLERS AND DOMESTICS. [illegible] 1942, 42 CASES WERE REPORTED [illegible] 1941 ONLY 20. TEMPORARY CARDS ISSUED BECAUSE OF SUSPECTED TUBERCULOSIS WERE [illegible] FROM 58 IN 194[illegible] TO 68 IN 1942.

THE INFLUX FROM OUT OF THE STATE OF ACTIVE CASES AMONG WORKERS IN INDUSTRIAL PLANTS CAN BE ILLUSTRATED BY THE FOLLOWING: LAST YEAR WE HAD IN ONE WEEK, FIVE ACTIVE [illegible] IN THE CITY HOSPITAL WHOSE HOMES WERE OUTSIDE THE CITY OR COUNTY. THEY WERE TRANSFERRED TO THEIR HOMES IN VIEW OF THE FACT THAT THEY WERE NOT LEGALLY ELIGIBLE FOR ADMISSION TO OUR SANATORIA.

THIS YEAR PATIENTS DISCHARGED FROM THE SANATORIUM IN AN APPARENTLY ARRESTED [illegible] HAVE BEEN REFERRED TO THE REHABILITATION COMMISSION FOR TRAINING [illegible] OCCUPATIONS.

. P. . PROJECT — A W. P. A. PROJECT UNDER THE SUPERVISION OF OUR DIVISION WAS COMPLETED IN AUGUST 1942. WITH A SMALL PERSONNEL AND ONE PHYSICIAN, AN EXTENSIVE INVESTIGATION WAS CONDUCTED INCLUDING 34,948 VISITS TO HOMES AND 2,537 PHYSICAL AND FLUOROSCOPIC EXAMINATIONS.

THIS INVESTIGATION DISCOVERED FIVE NEW CASES OF TUBERCULOSIS AND MANY SUS- [illegible] CASES; ONE CASE OF SILICA-TUBERCULOSIS AND ONE CASE OF SILICOSIS, IN ADDITION TO NUMEROUS OTHER PULMONARY DISEASES.

THIS EXTENSIVE SURVEY AMONG SCHOOL CHILDREN, VARIOUS ORGANIZATIONS AND A NUMBER OF DEFENSE PLANTS WAS ALSO OF GREAT VALUE FROM AN EDUCATIONAL STANDPOINT.

TYPE OF DIVISIONAL WORK

	1942	1941	1940
VISITS BY NURSES	19,496	18,652	13,527
INVESTIGATIONS BY NURSES	1,112	919	214
TOTAL	20,608	19,571	13,741
FOOD HANDLERS EXAMINED	27,359	29,163	32,125
ADULTS AND CHILDREN (WHITE)	3,898	[illegible],976	5,406
* ADULTS AND CHILDREN (COLORED)	[illegible],163	[illegible],0[illegible]	3,983
FLUOROSCOPIC EXAMINATIONS	2,663	3,28[illegible]	4,358
CARDIAC CLINIC	1,857	2,278	2,[illegible]
PAROCHIAL SCHOOL CHILDREN EXAMINED	[illegible],409	[illegible],969	[illegible],379
HAY FEVER & ASTHMA CLINIC	1,297	1,908	2,145
FOOD HANDLER RE-EXAMINATIONS	1,078	1,54[illegible]	[illegible]93
CAMP CHILDREN EXAMINED	868	1,[illegible]04	2,[illegible]39
PNEUMOTHORAX TREATMENTS	495	798	1,522
CUTLER CLINIC	368	313	2[illegible]4
WILSON AVE. CLINIC	25[illegible]	243	395
DOMESTIC RE-EXAMINATIONS	131	220	9[illegible]
PENNINGTON COURT CLINIC	25	189	[illegible]
BAXTER COURT CLINIC	326	9	-
MANTOUX TESTS	233	649	1,00[illegible]
NO. EXAMINED VERONA CLINIC	458	529	573
" " GLEN GARDNER CLINIC	276	349	350
" " FARMINGDALE CLINIC	1[illegible]	24	[illegible]
" " SOHO CLINIC	1	13	2
" FOOD HANDLERS REJECTED FOR TBC.	19	1[illegible]	3
" DOMESTICS REJECTED FOR TBC.	[illegible]	[illegible]	[illegible]
" TEMPORARY CARDS ISSUED (FH TB)	37	38	8
" " " " (DOMTB)	1	20	[illegible]

* INCLUDES MORTON STREET CLINIC

TUBERCULOSIS STATISTICS - WHITE AND COLORED

YEAR	POPULATION		REPORTED CASES		DEATHS		MORBIDITY RATE		DEATH RATE	
	WHITE	COLORED	WHT	COL	WHT	COL	WHT	COL	WHT	COL
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	171.1	722.0	[illegible]	[illegible]
1932	410,000	40,000	532	245	195	165	129.7	612.6	47.6	412.5
[illegible]	[illegible]	40,000	513	230	227	154	124.5	575.0	55.1	385.0
1934	414,000	40,000	447	217	186	124	107.9	542.5	44.9	310.0
1935	415,000	40,000	431	220	189	124	104.8	540.0	45.5	310.0
1936	415,000	42,000	429	213	182	163	105.7	507.1	43.8	388.0
1937	415,000	43,000	385	186	187	112	92.8	432.5	45.0	260.4
1938	415,000	43,000	395	203	154	131	95.2	472.0	37.1	304.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	5,000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1941	384,000	45,000	398	2,0	154	119	103.6	466.6	40.1	264.4
1942	384,000	45,000	474	195	161	125	123.4	433.3	41.9	277.7

TUBERCULOSIS MORTALITY AND MORBIDITY -- ALL FORMS

YEAR	POPULATION	NO. DEATHS*	CASES REPORTED*	MORTALITY	MORBIDITY
1931	445,000	410	988	92.2	[illegible]
1932	450,000	360	785	80.0	74.4
1933	452,000	388	757	85.8	167.5
1934	454,000	316	670	69.6	47.[illegible]
1935	455,000	316	654	69.5	143.7
1936	457,000	346	645	75.7	[illegible]
1937	458,000	301	575	65.8	[illegible]
1938	458,000	287	600	62.6	[illegible]
1939	459,000	277	534	60.3	[illegible]
1940	429,000	309	586	71.9	[illegible]
1941	429,000	274	612	63.9	[illegible]
1942	42[illegible],000	288	674	66.1	[illegible]

* DIFFERENCE IN TOTALS BY COLOR, IS DUE TO A FEW YELLOW CASES AND DEATHS.

DEATHS (LAPSE OF TIME AFTER REPORT OF CASE)

NO. CASES REPORTED ONE YEAR PRIOR TO DEATH	171	59.6%
" " " TWO " " " "	12	[illegible]
" " " THREE " " " "	4	[illegible]
" " " 4 & UP" " " "	36	[illegible]
	[illegible]	[illegible]
" " " 1-7 DAYS AFTER DEATH	50	17.3
" " " 8-15 " " "	14	[illegible]
" " " 1 MONTH " "	1	.2
	[illegible]	22.4%

OCCUPATIONAL CLINIC

DR. WILLIAM T. RUMAGE, DIRECTOR

ALL FOODHANDLER AND DOMESTIC EMPLOYEES MUST BE EXAMINED SEMI-ANNUALLY. FEMALE PHYSICIANS ARE PROVIDED FOR DOMESTICS DUE TO THE TYPE OF EXAMINATION WHICH INCLUDES ROUTINE CERVICAL SMEARS.

BLOOD TESTS ARE MADE SEMI-ANNUALLY FOR ALL DOMESTICS BUT ONLY ANNUALLY FOR FOODHANDLERS. THIS IS DUE TO THE FACT THAT AMONG THE FOODHANDLERS, POSITIVES AVERAGE ONLY 2%, WHEREAS MORE THAN 7% OF OUR DOMESTICS ARE UNDER TREATMENT FOR SYPHILIS. FORTUNATELY FEW OF THE CASES DISCOVERED ARE INFECTIOUS, MANY OF THEM HAVE NO KNOWLEDGE OF THEIR CONDITION UNTIL OUR EXAMINATION. THEY ARE ALL, OF COURSE, REQUIRED TO UNDERGO TREATMENT EITHER BY THEIR OWN PHYSICIAN OR AT OUR CLINIC.

FOODHANDLERS

DURING THE YEAR, 37,202 FOODHANDLERS LICENSES WERE ISSUED, A SLIGHT INCREASE FROM 1941. RESTAURANT WORKERS COMPRISE ABOUT ONE QUARTER OF THE TOTAL; OUR CLINIC EXAMINED 28,373, PRIVATE DOCTORS 8,829. EXAMINATIONS DISCOVERED 10 CASES OF GONORRHEA AND 9 CASES OF TUBERCULOSIS. OF 7,599 BLOOD TESTS TAKEN IN THIS GROUP 29 WERE POSITIVE FOR SYPHILIS OR APPROXIMATELY 2%. OUR PHYSICIANS ALSO REFERRED 2 CASES OF SKIN CONDITIONS TO PRIVATE DOCTORS FOR TREATMENT. RE-EXAMINATIONS WERE REQUIRED FOR 1011 FOODHANDLERS, OF WHICH 31 WERE REJECTED.

DOMESTICS

THE TOTAL NUMBER OF DOMESTIC CARDS ISSUED WAS 6,736. OF 4,305 BLOOD TESTS, 200 WERE POSITIVE FOR SYPHILIS OR APPROXIMATELY 8%. IN ADDITION TO THESE NEW CASES, LICENSES WERE GRANTED TO 653 ALREADY-KNOWN CASES OF NON-INFECTIOUS SYPHILIS. NEED OF A DOMESTIC CARD HELPS KEEP SUCH PATIENTS UNDER TREATMENT. BY ROUTINE EXAMINATION, 69 WERE FOUND POSITIVE FOR GONORRHEA. THERE WERE 4,437 FLUOROSCOPE EXAMINATIONS OF DOMESTICS, OF WHICH 72 WERE REFERRED FOR X-RAY EXAMINATION.

A GREAT INCREASE IN THE VALUE OF OUR DOMESTIC AND FOOD HANDLER EXAMINATION WORK AS A CONTROL MEASURE FOR TUBERCULOSIS, IS ANTICIPATED DURING 1943 INASMUCH AS A NEW, COMPLETE 4'X5' X-RAY EQUIPMENT HAS BEEN REQUISITIONED. WE HOPE TO X-RAY ANNUALLY, ALL DOMESTICS AND FOOD HANDLERS, AMONG OTHER GROUPS.

RECAPITULATION

		TOTAL	WHITE	BLACK	YELLOW	MALE	FEMALE
FOOD HANDLER	CLINIC EXAMINATIONS	27362	23978	3270	114	17263	10099
	PRIV. DOCTOR "	8829	8340	475	14	5422	3407
	CLINIC RE-EXAM.	1011	759	122	4	759	252
	TOTAL	37202	33202	3867	132	23444	13758
DOMESTIC	CLINIC EXAMINATIONS	5111	759	4352	DOMESTICS PRACTICALLY		
	PRIV. DOCTOR "	1625	671	954	ALL FEMALE		
	TOTAL	6736	1430	5906			

NOTE: IN ADDITION TO FOODHANDLERS AND DOMESTICS, SPECIAL EXAMINATIONS AT THIS CLINIC INCLUDED GROUPS OF W.P.A. WORKERS, TAXI DRIVERS AND ALMS HOUSE WORKERS.

DIVISION OF CHILD HYGIENE

DR. JULIUS LEVY, DIRECTOR -- DR. HARRY SILVER, ASSISTANT DIRECTOR
MRS. MEREDITH EHRICH, SUPERVISING NURSE

	TOTALS		RATES
DEATHS UNDER ONE YEAR	352	PER 1,000 BIRTHS	29.3
DEATHS UNDER ONE MONTH	263	PER 1,000 BIRTHS	21.9
STILLBIRTHS	301	PER 1,000 DELIVERIES	24.4
PUERPERAL DEATHS	22	PER 1,000 DELIVERIES	1.8
TOTAL BIRTHS	12,016	PER 1,000 POPULATION	28.0

TOTAL BIRTHS DELIVERED IN HOSPITALS	11,479
TOTAL BIRTHS ATTENDED BY MIDWIVES	161
TOTAL BIRTHS ATTENDED BY PHYSICIANS AT HOME .	376

THE YEAR 1942 PRESENTS THE LOWEST INFANT MORTALITY RATE AND THE LOWEST MATERNAL MORTALITY RATE EVER REPORTED FOR THE CITY OF NEWARK - 29.3 PER 1,000 LIVE BIRTHS FOR THE INFANT MORTALITY AND 1.8 PER 1,000 DELIVERIES FOR THE MATERNAL MORTALITY. IF THE INFANT MORTALITY RATE OF TEN YEARS AGO, WHEN IT WAS 45.1, HAD OBTAINED DURING THE ENTIRE TEN-YEAR PERIOD, 480 ADDITIONAL BABIES WOULD HAVE DIED IN THE TEN YEARS. IF THE INFANT MORTALITY RATE OF TEN YEARS AGO HAD OBTAINED IN 1942, [illegible]9 ADDITIONAL BABIES WOULD HAVE DIED IN THAT YEAR. THE REDUCTION IN MATERNAL MORTALITY IS A CLEAR INDICATION OF THE IMPROVEMENT WHICH HAS OCCURRED IN THE OBSTETRICAL CARE OF PATIENTS AS A RESULT OF THE COOPERATION OF THE ESSEX COUNTY MEDICAL SOCIETY AND THE VARIOUS HOSPITALS AND PHYSICIANS.

IF WE CONSIDER THE INFANT MORTALITY RATE FOR INFANTS OVER ONE MONTH BUT UNDER ONE YEAR, WE HAVE AN EVEN MORE DRAMATIC REDUCTION. ONLY TEN YEARS AGO THIS RATE WAS THREE TIMES WHAT IT WAS IN 1942 - 20.3 IN 1933 AND 7.4 IN 1942. WE MUST REPORT, HOWEVER, THAT VERY LITTLE HAS BEEN ACCOMPLISHED WITH THE RATE FOR DEATHS IN THE FIRST WEEK OF LIFE. THE RATE FOR 1942, WHICH WAS 18.3, IS PRACTICALLY THE SAME AS IT WAS IN 1933, WHEN IT WAS 20.5. MORE THAN HALF OF THE DEATHS IN THE FIRST YEAR OCCUR IN THE FIRST WEEK OF LIFE. THESE DEATHS ARE RELATED LARGELY TO PREMATURITY, IMMATURITY, AND DEATHS ASSOCIATED WITH LABOR. STUDIES HAVE SHOWN THAT ASPHYXIA IS THE MOST FREQUENT CAUSE OF THESE EARLY DEATHS AND THAT IN MANY INSTANCES THEY ARE RELATED TO ANAESTHETICS AND ANALGESICS.

ALTHOUGH 1942 SHOWS THE LARGEST NUMBER OF BIRTHS EVER REPORTED IN THE CITY OF NEWARK, THERE WERE ONLY 8 DEATHS IN THE FIRST YEAR OF LIFE FROM DIARRHOEAL DISEASES, WHICH IS THE LOWEST NUMBER EVER REPORTED FOR THIS DISORDER. IN THE EARLY PERIOD OF [illegible], IN CERTAIN [illegible] AS MANY AS 273 INFANTS DIED FROM DIARRHOEA IN THE FIRST YEAR OF LIFE. ABOUT 74% OF THE DEATHS IN THE FIRST YEAR ARE LISTED UNDER "EARLY INFANCY", "CONGENITAL DEBILITY", "PREMATURITY". THE ONLY OTHER CAUSE OF ANY SUBSTANTIAL NUMBER WAS PNEUMONIA, WHICH REPRESENTED 41 DEATHS. IN 1942 WE AGAIN HAD ONLY 2 DEATHS ASSOCIATED WITH MEASLES, [illegible] FROM BRONCHITIS, AND 3 FROM MENINGITIS. THE LOW NUMBER OF DEATHS FROM THESE DISEASES IS THE RESULT UNDOUBTEDLY OF EARLIER DIAGNOSIS, BETTER CARE, TREATMENT, AND MANAGEMENT. MOTHERS HAVE LEARNED TO MAINTAIN THE HEALTH AND NUTRITION OF THEIR INFANTS, SO THAT AT TIMES OF ILLNESS THE CHILDREN ARE MUCH BETTER ABLE TO WITHSTAND THIS [illegible]. ADVANCES IN DIAGNOSIS AND TREATMENT HAVE ALSO CONTRIBUTED TO THE RESULT, AND THE GENERAL IMPROVEMENT IN THE CARE OF INFANTS THROUGH EDUCATION OF MOTHERS HAS NO DOUBT MADE A CONSIDERABLE CONTRIBUTION.

ADJUSTMENTS HAD TO BE MADE TO THE LOSS OF MEDICAL PERSONNEL TO THE WAR SERVICES, WHICH HAS BEEN MET BY THE REDUCTION OF THE NUMBER OF CONFERENCES AT BABY-KEEP-WELL STATIONS AND BY OBTAINING ASSISTANCE FROM THE OCD VOLUNTEERS.

IN THE PRESENT SITUATION THE HIGH PERCENTAGE OF BIRTHS DELIVERED IN HOSPITALS PRESENTS A NEW PROBLEM. ON ACCOUNT OF THE SHORTAGE OF NURSES IN HOSPITALS AND THE POSSIBLE NEED FOR BEDS FOR EMERGENCIES, IT MAY BECOME NECESSARY AND DESIRABLE TO HAVE A PERCENTAGE OF OUR EXPECTANT MOTHERS DELIVERED AT HOME. IN 1942, 95.5% OF ALL BIRTHS WERE DELIVERED IN HOSPITALS, OR A TOTAL OF [illegible]1,479 DELIVERIES. IN 1917, [illegible].5% OF THE BIRTHS WERE DELIVERED IN HOSPITALS, OR A TOTAL OF [illegible],955 DELIVERIES. ABOUT ONE-THIRD OF THE BIRTHS IN 1942 WERE NON-RESIDENTS.

THE NURSES, IN ADDITION TO CARRYING ON THE REGULAR PROGRAM OF EDUCATING MOTHERS IN THE CARE OF THEIR CHILDREN, HAVE COOPERATED ACTIVELY WITH MANY AGENCIES AND DEPARTMENTS IN CONNECTION WITH VARIOUS DEFENSE ACTIVITIES. THE NURSES HAVE BEEN INSTRUCTED TO ADVISE MOTHERS THAT THEIR FIRST DUTY IN THE PRESENT CIRCUMSTANCES IS TO REMAIN AT HOME AND TAKE CARE OF THEIR BABIES. THE NURSES HAVE TRIED TO OBTAIN LISTS OF HOMES WHICH WOULD RENT OUT ROOMS TO WORKERS IN INDUSTRY OR IN FEDERAL AGENCIES.

STUDIES HAVE BEEN MADE IN THE FEEDING HABITS OF CHILDREN. EMPHASIS HAS BEEN GIVEN TO THE IMPORTANCE OF BUDGETING AND PURCHASING OF PROPER FOODS.

THE ACTIVITIES OF THE DIVISION OF CHILD HYGIENE ARE CONCERNED PRIMARILY WITH THE EDUCATION OF MOTHERS IN THE CARE AND MANAGEMENT OF THEIR INFANTS. THROUGH THE DELIVERY OF BIRTH CERTIFICATES THE NURSES VISIT ALL MOTHERS AS SOON AFTER THE BIRTH OF THEIR INFANTS AS IS PRACTICAL. SINCE OVER 95% OF ALL MOTHERS IN NEWARK ARE DELIVERED IN HOSPITAL, THE NURSES DO NOT VISIT THEM UNTIL ABOUT THE TENTH DAY AFTER DELIVERY, EXCEPT IN THOSE INSTANCES WHERE THE MOTHERS WERE DELIVERED AT HOME BY MIDWIVES.

ALL MOTHERS ARE URGED TO PLACE THEIR INFANTS UNDER REGULAR MEDICAL SUPERVISION. WHEN IT APPEARS THAT MOTHERS CANNOT AFFORD TO TAKE THEIR INFANTS TO PRIVATE PHYSICIANS, THEY ARE ADVISED TO BRING THEIR BABIES REGULARLY TO THE BABY-KEEP-WELL STATIONS IN THEIR NEIGHBORHOOD.

DURING THE FIRST MONTH OF THE BABY'S LIFE THE NURSE VISITS EACH WEEK, AND THEREAFTER ONCE A MONTH DURING THE FIRST YEAR, AND EVERY THREE MONTHS DURING THE SECOND YEAR. AT HER FIRST VISIT SHE INSPECTS PARTICULARLY THE BABY'S EYES AND IF ANY DISCHARGE IS PRESENT, SHE TAKES A SMEAR, WHICH IS SENT TO THE LABORATORY. THROUGH THIS PROCEDURE SEVERAL CASES OF SERIOUS INFECTION OF THE EYES HAVE BEEN DISCOVERED AND THE INFANTS PLACED UNDER PROPER MEDICAL CARE. WHEN THESE CASES ARE OF GONORRHEAL ORIGIN, THEY ARE REFERRED TO THE VENEREAL DISEASE BUREAU FOR PROPER FOLLOW-UP FOR VENEREAL DISEASE CONTROL.

THE NURSES NOT ONLY URGE MOTHERS TO HAVE THEIR INFANTS IMMUNIZED AND VACCINATED BEFORE THE BABIES ARE ONE YEAR OLD, BUT ASSIST IN THE IMMUNIZATION AT THE STATIONS OF THOSE INFANTS WHOSE MOTHERS CANNOT AFFORD TO HAVE IT DONE BY THEIR PRIVATE PHYSICIANS.

IT HAS BEEN FOUND DESIRABLE TO HAVE NURSES CONTINUE VISITING MOTHERS, EVEN THOUGH THEY ARE UNDER THE SUPERVISION OF A PHYSICIAN EITHER IN THE BABY-STATION OR IN THE PRIVATE OFFICE OF A PHYSICIAN, IN ORDER TO MAKE SURE THAT THE MOTHERS UNDERSTAND AND FOLLOW OUT THE INSTRUCTIONS GIVEN THEM BY THE DOCTOR. SHE MAY NEED TO GIVE A DEMONSTRATION BATH, OR TEACH THE PROPER MAKING OF A BED, THE PROPER PLACING OF AN INFANT OUTDOORS TO RECEIVE THE BENEFIT OF THE SUN, THE PROPER CARE AND ADMINISTRATION OF COD LIVER OIL, AND MANY OTHER PHASES OF INFANT CARE. THERE IS NO REASON TO BELIEVE THAT ONLY LOW-WAGE GROUP MOTHERS PROFIT FROM THE REGULAR VISITS AND ADVICE OF PROPERLY TRAINED AND SUPERVISED MATERNAL AND CHILD HEALTH NURSES.

IN RECENT YEARS THE NURSE HAS LEARNED TO INCORPORATE INTO HER INSTRUCTIONS ON PHYSICAL CARE OF INFANTS SUGGESTIONS TO MOTHERS IN REGARD TO PARENT-CHILD RELATIONSHIPS AND MENTAL HYGIENE. IT SEEMS REASONABLE TO BELIEVE THAT MOTHERS' ATTITUDES CAN BE INFLUENCED THROUGH OPPORTUNITIES FOR DISCUSSING THEIR IDEAS ABOUT THE CARE AND TRAINING OF THEIR INFANTS WITH A PROPERLY TRAINED AND INFORMED PUBLIC HEALTH NURSE. IF THE NURSE SUCCEEDS ONLY IN REMOVING MANY OF THE FEARS AND ANXIETIES WHICH BESET YOUNG MOTHERS, SHE WILL UNDOUBTEDLY HELP THEM TO MAKE BETTER ADJUSTMENTS.

SINCE IT IS VERY IMPORTANT THAT ALL BABIES RECEIVE COD LIVER OIL DURING THE WINTER MONTHS BECAUSE OF ITS VITAMIN D CONTENT BEING A PREVENTIVE OF RICKETS, COD LIVER OIL IS DISTRIBUTED FREE AT THE BABY-STATIONS TO THOSE MOTHERS WHO CANNOT AFFORD TO BUY IT.

SINCE 1915 ALL PERSONS IN NEWARK BOARDING INFANTS ARE REQUIRED TO OBTAIN A LICENSE FROM THE DEPARTMENT OF HEALTH. IF APPROVED, THEY ARE INSPECTED REGULARLY. THIS HAS SERVED THE PURPOSES FOR WHICH IT WAS INTENDED: FIRST, TO PREVENT BABY FARMS FROM DEVELOPING; SECOND, TO MAKE AVAILABLE A LIST OF PROPERLY LICENSED PERSONS TO THOSE WHO HAVE NEED FOR BOARDING OUT THEIR INFANTS.

THE CHARTS ON THE FOLLOWING PAGES INCLUDE MATERIAL WHICH PRESENTS MANY FACTORS OF INTEREST FOR THOSE WHO WISH TO MEASURE THE PROGRESS WHICH HAS BEEN MADE IN THIS FIELD.

INFANT MORTALITY RATES 1913-1942

YEAR	UNDER 1 DAY	OVER 1 DAY UNDER 1 WK.	UNDER 1 WK.	OVER 1 WK. UNDER 1 MO.	UNDER 1 MO.	OVER 1 MO. UNDER 1 YR.	UNDER 1 YR.
[illegible]13	-	-	-	-	38.8	54.2	93.0
[illegible]		-	-	-	36.9	59.9	96.8
[illegible]15	-	-	-	-	36.4	48.9	85.3
[illegible]		-	-	-	38.0	51.6	89.6
[illegible]		-	-	-	38.9	48.9	87.8
[illegible]	-	-	-	-	39.3	65.4	104.7
[illegible]19	-	-	-	-	33.1	43.1	76.2
[illegible]20	-	-	-	-	38.7	46.0	84.7
[illegible]		-	-	-	36.4	35.1	71.5
[illegible]922		-	-	-	35.3	39.5	74.8
[illegible]923	-	-	-	-	36.0	32.0	68.0
[illegible]924	-	-	-	-	32.3	32.9	65.2
[illegible]925		-	-	-	30.3	38.4	68.7
[illegible]26	-	-	-	-	35.5	36.4	71.9
[illegible]27	-	-	-	-	34.8	28.5	63.3
1928	-	-	-	-	34.8	29.1	63.9
[illegible]	-	-	-	-	31.2	28.4	59.6
[illegible]		-	-	-	27.9	24.2	52.1
[illegible]		-	-	-	30.0	21.5	51.5
[illegible]32	-	-	-	-	25.5	16.7	42.2
1933	10.6	9.9	20.5	4.6	24.8	20.3	45.1
1934	11.9	9.5	21.4	5.8	27.2	18.0	45.2
1935	15.1	11.3	26.3	6.5	32.9	21.7	54.6
1936	14.5	8.4	22.9	4.4	27.5	18.4	45.9
1937	9.7	6.7	16.3	5.5	21.8	15.7	37.5
1938	14.4	6.7	21.0	3.5	24.6	14.5	39.1
1939	11.1	9.9	21.0	3.3	24.3	13.8	38.1
1940	12.4	8.4	20.8	3.9	24.7	10.4	35.1
1941	11.5	8.6	20.1	3.2	23.2	9.4	32.6
1942	10.6	7.7	18.3	3.6	21.9	7.4	29.3

BIRTHS & INFANT MORTALITY RATES BY WARDS 1942

WARDS	TOTAL BIRTHS	TOTAL COLORED BIRTHS	% TOTAL BIRTHS COLORED	MIDWIVES BIRTHS	% TOTAL BIRTHS DELIVERED BY MIDWIVES	TOTAL DEATHS UNDER 1 YEAR	INFANT MORTALITY RATES
1	455	33	7.3	9	2.0	12	[illegible]
2	163	54	33.1	5	3.1	6	[illegible]
3	575	419	72.9	7	1.2	29	[illegible]
4	87	27	31.0	2	2.3	3	34.5
5	301	25	8.3	12	4.0	8	[illegible]
6	349	58	16.6	4	1.1	12	[illegible]
7	252	108	42.9	10	4.0	11	[illegible]
8	855	44	5.1	17	2.0	28	32.7
9	1172	72	6.1	11	.9	22	[illegible]
10	393	36	9.2	7	1.8	12	[illegible]
11	577	29	5.0	9	1.6	16	27.7
12	377	5	1.3	18	4.8	12	[illegible]
13	877	11	1.3	16	1.8	28	[illegible]
14	564	167	29.6	18	3.2	19	[illegible]
15	259	85	32.8	6	2.3	12	[illegible]
16	740	46	6.2	10	1.4	15	[illegible]
N. R.	4020	28	.7	0	-	107	[illegible]
TOTAL	12016	1247	10.4	161	1.3	352	[illegible]

PUERPERAL DEATHS 1916-1942

YEAR	TOTAL NO. PUER. DEATHS FOR CITY	RATE PER 1,000 DEL. FOR CITY	TOTAL NO. BIRTHS FOR CITY	TOTAL NO. BIRTHS ATTENDED BY MIDWIVES	% OF BIRTHS ATTENDED BY MIDWIVES	STILLBIRTHS	STILLBIRTHS RATE PER 1,000 DEL.
1916	26	2.2	11,446	5,582	48.7%	-	-
1917	29	2.4	11,850	5,696	48.1%	453	[illegible]
1918	53	4.5	11,601	5,358	46.0%	535	[illegible]
1919	56	4.9	11,315	5,148	45.4%	487	[illegible]
1920	76	6.4	11,734	4,712	40.1%	448	[illegible]
1921	74	6.3	11,705	4,470	38.1%	504	[illegible]
1922	58	5.2	10,993	3,764	34.2%	422	[illegible]
1923	52	4.6	11,111	3,552	31.9%	503	[illegible]
1924	87	7.5	11,449	3,251	28.5%	502	42.0
1925	87	7.7	10,852	2,799	25.8%	466	41.2
1926	71	6.5	10,460	2,502	23.9%	437	40.1
1927	76	7.3	10,042	2,338	23.3%	436	[illegible]
1928	69	6.7	9,802	1,993	20.3%	385	37.6
1929	58	5.6	9,965	1,724	17.3%	416	[illegible]
1930	67	6.6	9,824	1,495	15.2%	367	[illegible]
1931	34	3.4	9,506	1,191	12.5%	397	40.1
1932	40	4.4	8,782	953	10.9%	340	37.3
1933	29	3.5	7,897	716	9.1%	308	37.5
1934	41	5.2	7,565	625	8.3%	256	32.7
1935	35	4.4	7,638	515	6.7%	276	34.9
1936	29	3.9	7,236	433	6.0%	233	31.2
1937	23	2.9	7,659	374	4.9%	240	30.4
1938	23	2.8	7,936	283	3.6%	247	29.8
1939	30	3.7	7,950	234	2.9%	230	28.1
1940	29	3.3	8,538	185	2.2%	206	23.6
1941	27	2.8	9,765	158	1.6%	268	26.7
1942	22	1.8	12,016	161	1.3%	301	24.4

NURSES' ACTIVITIES 1919-1942

YEAR	SUPERVISED BABIES BORN DURING YEAR	TOTAL NO. OF SUPERVISED BABIES UNDER TWO YEARS	NURSES' VISITS TO HOMES	MOTHERS' VISITS TO CONSULTATION STATIONS
1919	-	3,705	30,783	3,920
1920	-	3,011	32,591	3,963
1921	-	4,553	37,095	6,625
1922	3,265	5,520	40,331	7,768
1923	4,223	7,268	43,308	8,173
1924	4,326	7,765	45,254	8,354
1925	4,010	7,490	42,477	7,801
1926	3,883	7,306	39,905	8,885
1927	4,318	7,400	47,957	13,468
1928	4,236	7,593	51,189	16,950
1929	4,609	8,089	57,251	22,038
1930	4,777	8,437	61,445	32,298
1931	5,070	11,899	68,715	32,395
1932	4,915	12,397	76,575	41,971
1933	4,386	11,868	71,093	34,845
1934	4,286	12,219	67,536	29,380
1935	4,060	12,948	72,877	25,903
1936	3,820	14,890	71,476	23,101
1937	3,532	13,785	71,507	23,823
1938	4,972	15,848	69,410	24,921
1939	5,152	14,700	68,292	26,604
1940	5,364	13,591	64,135	24,597
1941	5,747	13,034	61,280	24,340
1942	7,042	15,149	67,825	19,981 *

* THERE ARE 21 BABY-KEEP-WELL STATIONS THROUGHOUT THE CITY, CONDUCTING 24 CONFERENCES A WEEK.

BIRTHS BY ATTENDANT AND PLACE OF DELIVERY 1913-1942

[illegible]	TOTAL BIRTHS	NON-RESIDENT BIRTHS	HOSPITAL DELIVERIES	HOME DELIVERIES PHYSICIAN	HOME DELIVERIES MIDWIFE	NO ATTENDANT	% TOTAL BIRTHS DEL'D IN HOSP.
[illegible]	10,810	-	-	-	-	0	-
[illegible]	11,107	214	1,284	4,352	5,471	0	11.6%
[illegible]	0,955	238	1,295	4,243	5,414	3	11.8%
[illegible]	11,446	221	1,374	4,488	5,582	2	12.0%
[illegible]	11,850	381	1,956	4,195	5,696	3	16.5%
[illegible]	11,601	487	-	-	5,358	0	-
[illegible]	11,315	554	-	-	5,148	0	-
[illegible]	11,734	-	-	-	4,712	0	-
[illegible]	1,705	-	-	-	4,470	0	-
[illegible]	10,993	883	-	-	3,764	0	-
[illegible]	11,111	-	-	-	3,552	0	-
[illegible]	11,449	-	-	-	3,251	0	-
[illegible]	10,852	1,258	4,845	3,208	2,799	0	[illegible]
[illegible]	10,460	1,214	5,003	2,955	2,502	0	[illegible]
[illegible]	10,042	1,246	4,995	2,709	2,338	0	[illegible]
[illegible]	9,802	1,431	5,390	2,419	1,993	0	[illegible]
[illegible]	9,965	1,822	5,805	2,436	1,724	0	[illegible]
[illegible]	9,824	1,977	6,517	1,814	1,493	0	[illegible]
[illegible]	9,506	2,137	6,824	1,491	1,191	0	[illegible]
[illegible]	8,782	1,885	6,538	1,291	953	0	[illegible]
[illegible]	7,897	1,703	6,195	986	716	0	[illegible]
[illegible]	7,565	1,738	5,858	1,082	625	0	[illegible]
[illegible]	7,638	1,812	6,076	1,047	515	0	[illegible]
[illegible]	7,236	1,737	6,025	778	433	0	[illegible]
[illegible]	7,659	1,956	6,682	603	374	0	[illegible]
[illegible]	7,936	2,076	7,106	546	283	1	[illegible]
[illegible]	7,950	2,180	7,315	401	234	0	[illegible]
[illegible]	8,538	2,514	7,952	401	185	0	[illegible]
[illegible]	9,765	3,162	9,282	325	158	0	[illegible]
[illegible]	12,016	4,020	11,479	376	161	0	[illegible]

N.B. FROM 1925 ON THE NON-RESIDENT BIRTHS HAVE BEEN INCLUDED IN THE TOTAL BIRTHS.

BOARDING HOMES 1942

NUMBER OF BOARDING HOMES LICENSED DURING 1942 - - - - - - - - - - - 39

NUMBER OF ACTIVE LICENSED BOARDING HOMES ON 12/31/42 - - - - - - - 30

NUMBER OF ACTIVE LICENSED NURSERIES ON 12/31/42 - - - - - - - - - - 6

NUMBER OF CHILDREN PLACED IN BOARDING HOMES DURING 1942 - - - - - - 10

NUMBER OF CHILDREN IN BOARDING HOMES ON 12/31/42 - - - - - - - - - 29

NUMBER OF CHILDREN REMOVED FROM BOARDING HOMES IN 1942 - - - - - - 30

DEATHS UNDER ONE YEAR BY CAUSES - 1915-1942

YEAR	MEASLES	BRONCHITIS	PNEUMONIA	MENINGITIS	DIARRHOEA	OTHER CONTAGIOUS DISEASES	EARLY INF. CONG. DEB. PREMATURITY	ALL OTHERS	TOTAL
1915	6	22	121	22	249	53	381	81	935
1916	23	35	122	24	196	86	435	105	1026
1917	0	72	121	26	250	50	430	86	1035
1918	33	84	156	30	273	83	442	112	1213
1919	2	42	87	24	244	27	345	91	862
1920	16	57	143	19	191	66	402	100	994
1921	5	38	83	12	178	27	403	91	837
1922	14	44	128	11	153	22	352	98	822
1923	15	32	94	10	105	21	376	103	756
1924	4	38	106	17	115	24	356	86	746
1925	3	26	99	11	105	23	376	103	746
1926	17	18	142	5	102	16	383	70	753
1927	0	13	91	10	70	28	357	67	636
1928	11	8	97	12	68	19	356	55	626
1929	0	14	121	8	43	28	307	73	594
1930	4	9	95	10	33	10	278	73	512
1931	0	10	86	17	30	21	273	53	490
1932	0	2	67	5	13	12	232	40	371
1933	2	2	75	2	18	10	191	56	356
1934	0	2	52	5	23	2	221	37	342
1935	3	3	59	7	22	16	264	43	417
1936	0	5	51	10	13	9	202	42	332
1937	4	0	47	1	26	6	167	36	287
1938	0	3	40	3	10	10	211	33	310
1939	0	2	28	1	18	6	201	47	303
1940	0	1	26	4	14	0	223	32	300
1941	1	0	23	7	10	5	241	31	318
1942	2	1	41	3	8	2	260	35	352

VENEREAL DISEASE CONTROL DIVISION

DR. AX J. EXNER, DIRECTOR

THE OUTSTANDING FEATURES

1. AN ALL-TIME PEAK OF BLOOD TESTS IN NEWARK, OVER 296,000 TESTS; SURPASSING THE PEAK OF 180,000 LAST YEAR.
2. THIRTY-EIGHT PER CENT REDUCTION OF SYPHILIS CLINIC CASE LOAD SINCE 1939.
3. NINETY-THREE PATIENTS WITH EARLY SYPHILIS RECEIVED THE 5-DAY INTENSIVE TREATMENT.
4. THIRTEEN HUNDRED AND TWENTY-FOUR SYPHILIS PATIENTS DISMISSED AS PERMANENTLY ARRESTED OR CURED, AND 1,454 MORE PLACED ON REST AS PRESUMABLY FINISHED.
5. FURTHER REDUCTION OF CONGENITAL SYPHILIS IN NEWARK TO 2.3 PER CENT OF CASES REPORTED. CONGENITAL SYPHILIS IS WELL ON THE WAY TOWARD CONQUEST.
6. EXTENSION OF GONOCOCCUS CULTURE SERVICE TO PRIVATE PHYSICIANS.
7. REDUCTION OF RESERVOIR OF NEGLECTED SYPHILIS IN EXMAINATION OF SELECTIVE SERVICE DRAFTEES. BLOOD TESTS ON DRAFTEES, 121,307. MEN EXAMINED, PUT UNDER TREATMENT.
8. OF 482 SOURCES OF INFECTION NAMED, 278 WERE FOUND AND EXAMINED, AND 152 WERE FOUND TO BE INFECTED AND PUT UNDER TREATMENT.

1. MASS BLOOD TESTING.

IN THE NATION-WIDE DRIVE FOR THE CONTROL OF SYPHILIS DURING RECENT YEARS GREAT EMPHASIS HAS BEEN PLACED UPON MASS BLOOD TESTING, INASMUCH AS SYPHILIS IS THE MOST DECEPTIVE OF ALL MAJOR INFECTIONS, AND MORE THAN HALF THE PEOPLE WHO HAVE SYPHILIS DO NOT KNOW THAT THEY HAVE IT. THE PHYSICAL AND MENTAL CATASTROPHIES CAUSED BY SYPHILIS RESULT [illegible] THAT HE IS INFECTED. MASS BLOOD TESTING TAPS THE RESERVOIR OF UNDISCOVERED CASES. THE [illegible] 296,000 [illegible] CONTRIBUTION IN THE WAR AGAINST SYPHILIS. IT IS PECULIARLY STRATEGIC IN VIEW OF THE FACT THAT THIS VOLUME OF TESTS WAS MADE LARGELY IN AREAS OF THE POPULATION IN WHICH SYPHILIS IS KNOWN TO RUN HIGH.

2. SYPHILIS CASE LOAD.

THE REDUCTION OF THE SYPHILIS CLINIC CASE LOAD BY 38 PER CENT SINCE 1939 IS AN IMPORTANT ACHIEVEMENT. THIS MEANS ACTUAL REDUCTION OF THE PREVALENCE OF SYPHILIS ONLY IN PART. THE REDUCTION HAS BEEN BROUGHT ABOUT BY THE FOLLOWING PROCEDURES:

1. ELIMINATION OF THE LARGE PROPORTION OF OVER-TREATED PATIENTS. UP TO SIX YEARS AGO A LARGE PROPORTION OF OUR SYPHILIS PATIENTS HAD BEEN UNDER TREATMENT FROM FIVE TO THIRTEEN YEARS BECAUSE THEIR SEROLOGY REMAINED POSITIVE. IT IS NOW RECOGNIZED [illegible] APPROXIMATELY 70 INJECTIONS [illegible] SEROLOGY DOES NOT NECESSARILY INDICATE THE CONTINUANCE OF SYPHILIS. IT MEANS RATHER A BUILT-UP IMMUNITY. IF THE PATIENT HAS HAD THE ABOVE MENTIONED AMOUNT OF TREATMENT, AND IS CLINICALLY NEGATIVE AND HAS A NEGATIVE SPINAL FLUID, A POSITIVE BLOOD TEST MAY BE DISREGARDED AND THE PATIENT PLACED ON PROBATION. ON THIS BASIS THE MANY OVER-TREATED PATIENTS HAVE BEEN GRADUALLY ELIMINATED.

2. THE MAJORITY OF PATIENTS, NOT HAVING SERIOUS COMPLICATIONS, ARE NOW TREATED NOT MORE THAN TWO YEARS, HENCE THE CLINIC LOAD DOES NOT ACCUMULATE AS IT DID FORMERLY.

3. ALL PATIENTS WITH NEW INFECTIONS (IN PRIMARY AND SECONDARY STAGES) ARE NOW TREATED BY THE INTENSIVE FIVE-DAY "DRIP TREATMENT". MOST OF THESE PATIENTS ARE HELD IN THE CLINIC ONLY TWO TO FOUR MONTHS. THIS TOO REDUCES THE ACCUMULATION OF PATIENTS.

4. A MARKED REDUCTION OF NEW INFECTIONS, FROM 296 IN 1931 TO 81 IN 1940, THUS TENDING TO REDUCE THE CLINIC LOAD.

5. DURING THE WAR EMERGENCY MANY MORE PATIENTS HAVE SUFFICIENT EARNINGS TO BE REFERRED TO PRIVATE PHYSICIANS FOR TREATMENT.

3. INTENSIVE TREATMENT.

THE FIVE-DAY MASSIVE DOSE INTRAVENOUS DRIP TREATMENT EMPLOYED IN NEWARK IN EARLY CASES OF SYPHILIS CONTINUES TO PLAY A VITAL ROLE IN SYPHILIS CONTROL. IN NEWARK THE GREAT MAJORITY OF EARLY CASES (IN INFECTIOUS STAGES) OCCUR IN YOUTHS OF 17 TO 24 [illegible] AND THEY ARE THE MOST DIFFICULT TO KEEP UNDER TREATMENT [illegible] LONG ENOUGH [illegible] TREATED BY THE LONG-TERM METHOD. WITH THE SHORT, INTENSIVE TREATMENT PATIENT [illegible] UNDER HOSPITAL SUPERVISION UNTIL INFECTIOUSNESS [illegible] ENDED AND [illegible] TREATMENT [illegible] GIVEN. HENCE, FOR THE PROTECTION OF THE PUBLIC HEALTH AND FOR AVOIDANCE OF THE [illegible] OF SYPHILIS, THE INTENSIVE TREATMENT IS OF GREAT [illegible]

DURING THE YEAR, NINETY-THREE CASES OF EARLY SYPHILIS RECEIVED THE INTENSIVE TREATMENT AT THE ISOLATION HOSPITAL IN BELLEVILLE. SO FAR 192 CASES HAVE RECEIVED THIS TREATMENT AT THE HOSPITAL, AND WITHOUT ANY FATALITIES. EXPERIENCE WITH THE "DRIP TREATMENT" IN THE UNITED STATES SHOWS AS YET A MUCH LARGER PROPORTION OF FATALITIES THAN OCCUR IN THE COMMON LONG-TERM TREATMENT. [illegible] BELIEVED THAT WITH [illegible] EXPERIENCE AND GREATER CARE THE FATALITY RATE WILL BE LOWERED. THE CAREFUL WORK OF THE ISOLATION HOSPITAL IN THIS MATTER [illegible] COOPERATION WITH THE [illegible] DEPARTMENT OF HEALTH ARE COMMENDABLE.

4. FINISHED SYPHILIS CASES.

THE REAL TEST OF THE EFFICIENCY OF ANY SYPHILIS CLINIC IS THE PROPORTION OF PATIENTS [illegible] HELD UNDER TREATMENT LONG ENOUGH TO ACCOMPLISH [illegible] ARREST OR CURE OF THE DISEASE. IN THIS RESPECT THE NEWARK CLINIC AGAIN PRESENTS AN EXCEPTIONAL [illegible] THE [illegible] HUNDRED AND TWENTY-FOUR PATIENTS WERE DISCHARGED [illegible] AND FIFTY-FOUR [illegible] MENT AND PROBATION AS PRESUMABLY FINISHED.

THIS SUCCESS IN CASE-HOLDING IS ACCOUNTED FOR MAINLY BY THE CARE GIVEN TO INSTRUCTING ALL NEW PATIENTS ABOUT THEIR CONDITION, TOGETHER WITH EXTENSIVE [illegible] FOLLOW-UP OF PATIENTS WHO LAPSE FROM TREATMENT. A JUDICIOUS COMBINATION OF [illegible] [illegible] WHEN PERSUASION FAILS, [illegible] PATIENTS WHO [illegible] EPIDEMIOLOGICALLY IMPORTANT AND PERSISTENTLY UNCOOPERATIVE ARE BROUGHT INTO COURT ON SUMMONS. THE W.P.A. VENEREAL PROJECT WITH ITS CORPS OF WORKERS HAS AGAIN RENDERED VALUABLE SERVICE IN SUPPLEMENTING OUR VENEREAL SOCIAL SERVICE WORK.

5. SELECTIVE SERVICE DRAFTEES

A LARGE PART OF THE DIVISION'S ACTIVITIES DURING THE YEAR HAS BEEN CONCERNED WITH SELECTIVE SERVICE DRAFTEES, IN COOPERATION WITH THE STATE DEPARTMENT OF HEALTH. THE [illegible] LABORATORY PERFORMED 121,307 BLOOD TESTS ON DRAFTEES OF WHOM 29[illegible] WERE FOUND TO BE POSITIVE. THESE POSITIVE CASES REPRESENTED LARGELY [illegible] OF UNRECOGNIZED OR NEGLECTED CASES. THE EFFORT TO BRING THESE MEN TO THE CLINIC FOR FURTHER EXAMINATION [illegible] UNDER TREATMENT THOSE REQUIRING IT HAS ENTAILED [illegible] OF THE SOCIAL SERVICE AND THE CLINIC STAFFS. A TOTAL OF 550 DRAFTEES WERE EXAMINED. FIVE HUNDRED AND NINETY [illegible] CASES OF SYPHILIS [illegible] D. ONE HUNDRED AND EIGHT HAD HAD INADEQUATE TREATMENT AND [illegible] TREATMENT. THIS MAKES SEVEN HUNDRED AND FIVE MEN POTENTIALLY INFECTIOUS FOR SYPHILIS, [illegible] MEDICAL [illegible] DIVISION. ONE HUNDRED SEVENTY MEN WERE PATIENTS IN THE NEWARK CLINIC. ONE HUNDRED THIRTY-[illegible] MEN WERE FOUND TO HAVE HAD ADEQUATE TREATMENT AND WERE DISCHARGED. TWO HUNDRED AND THIRTY-FIVE [illegible] FOUND TO HAVE NEGATIVE BLOOD TEST ON [illegible] EXAMINATION AND [illegible] DISMISSED. ONE [illegible] EIGHTY-[illegible] INFECTED WITH GONORRHEA [illegible] TREATED. ONE HUNDRED AND EIGHTEEN MEN COULD NOT BE FOUND. THE WORK WITH THE DRAFTEES HAS BEEN [illegible] FOR SYPHILIS CONTROL AND IT HAS SERVED TO [illegible] MANY MEN TO FITNESS FOR MILITARY SERVICE.

. SULFONAMIDES IN THE TREATMENT OF GONORRHEA.

USE OF SULFATHIAZOLE IN THE TREATMENT OF GONORRHEA HAS BEEN CONTINUED AND THE DRUG HAS FURTHER DEMONSTRATED ITS POTENT EFFECT IN THE RAPID CURE OF THIS DISEASE AND IN PREVENTING THE SERIOUS INVOLVEMENT AND DAMAGE TO VITAL STRUCTURES SO COMMON BEFORE [illegible] ADVENT OF THE SULFONAMIDES. THIS IS ESPECIALLY TRUE IN THE WOMEN, IN WHOM GONORRHEA IS FAR MORE DANGEROUS THAN IT IS IN MEN. THE GONOCOCCUS CULTURES HAVE CONTINUED TO RENDER MOST VALUABLE SERVICE AS MORE ACCURATE MEANS OF DIAGNOSIS IN OBSCURE CASES, AND AS MORE RELIABLE TEST OF CURE. WHEREAS PREVIOUSLY IT REQUIRED SIX W[illegible]K[illegible] [illegible] SIX [illegible] TO ASSURE CURE OF GONORRHEA, MOST CASES CAN NOW BE CURED WITHIN T[illegible] [illegible]EKS

7. GONOCOCCUS CULTURE SERVICE TO PRIVATE PHYSICIANS.

THROUGH LABORATORY FACILITIES AND SERVICE PROVIDED IN NEWARK BY THE STATE DEPARTMENT OF HEALTH, THE GONOCOCCUS CULTURE SERVICE HAS NOW BEEN EXTENDED TO PRIVATE PHYSICIANS. RECEIVING STATIONS FOR SPECIMENS HAVE BEEN ESTABLISHED IN SIX LEADING HOSPITALS FOR THIS PURPOSE. TO THE EXTENT THAT PHYSICIANS WILL AVAIL THEMSELVES OF THE SERVICE IT WILL MARK AN IMPORTANT STEP TOWARD ULTIMATE CONTROL OF THE SCOURGE OF GONORRHEA.

SOURCES OF INFECTION.

DURING THE YEAR EXCEPTIONAL ACTIVITY HAS BEEN DIRECTED TOWARD TRACING SOURCES OF INFECTION AND BRINGING THEM UNDER MEDICAL SUPERVISION WITH A VIEW TO CHECKING THE SPREAD OF INFECTION. THIS HAS BEEN MADE NECESSARY BY THE FACT THAT AS A RESULT OF THE WAR EMERGENCY THE PREVIOUSLY DOWNWARD CURVE OF VENEREAL INFECTION HAS TAKEN AN UPWARD TREND DURING THE PAST TWO YEARS. MANY MORE REPORTS OF INFECTION HAVE COME TO THE DEPARTMENT AND THESE HAVE REQUIRED PROMPT AND EXTENSIVE EFFORT IN TRACING THEIR SOURCES AND THE CONTACTS OF THE INFECTED.

THERE HAS BEEN FOUND MUCH INCREASE IN PROSTITUTION AND OTHER EXTRA-MARITAL SEX [illegible]LAT[illegible] [illegible] THROUGH TH[illegible] FAC[illegible]LIT[illegible] [illegible] CERTAIN TAVERN[illegible], ROOMING HOUSE[illegible] [illegible] LOW GRADE HOTELS. THERE HAS BEEN ALSO A CONSIDERABLE INCREASE IN STREET SOLICITATION. THE [illegible] [illegible]SION [illegible] INSTRUMENTAL IN BRINGING TH[illegible] F[illegible]CT TO TH[illegible] ATTENTION OF THE CITY ADMINISTRATION AND THE PUBLIC AND THIS HAS RESULTED IN MORE EXTENSIVE AND MORE VIGOROUS ACTIVITY OF THE DEPARTMENT OF POLICE IN THE REPRESSION OF PROSTITUTION AND IN BRINGING DISORDERLY WOMEN TO THE DEPARTMENT OF HEALTH FOR EXAMINATION.

[illegible]E RECEIVED FROM THE STATE DEPARTMENT OF HEALTH 258 COMPLAINTS OF SYPHILIS AND GONORRHEA INFECTIONS CONTRACTED IN NEWARK, MOST OF THEM BY SOLDIERS AND SAILORS. IN VERY MANY OF THESE THE INFORMATION GIVEN AS TO NAME, ADDRESS, DESCRIPTION AND PLACE OF [illegible]T[illegible], [illegible] [illegible]NF[illegible]TION [illegible] F[illegible] TRAC[illegible] THE [illegible] SO[illegible] OF INFECTION, WAS EXTR[illegible]LY [illegible] [illegible] TOT[illegible]LY [illegible]. NEVERTHELESS, BY [illegible] [illegible], OF 258 PERSONS NAMED 121 WERE FOUND AND EXAMINED, AND 64 WERE FOUND TO BE INFECTED AND [illegible] FOR TREATMENT. OF A TOTAL OF 492 SUSPECTED SOURCES NAMED, 278 [illegible] FOUND AND EXAMINED AND 152 WERE FOUND TO BE INFECTED.

THIS EPIDEMIOLOGICAL SERVICE LIES AT THE HEART OF THE VENEREAL DISEASE CONTROL PROGRAM. NEXT TO THE PREVENTION OF INFECTION THE EFFECTIVE STRATEGY IS THE EARLIEST POSSIBLE DISCOVERY OF EVERY INFECTION AND BRINGING THE INFECTED UNDER MEDICAL SUPERVISION IN ORDER TO CHECK THE SPREAD OF INFECTION.

9. SIGNS OF PROGRESS IN SYPHILIS CONTROL.

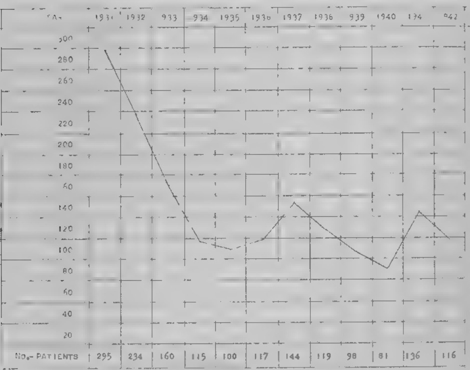
IT IS PERTINENT TO ASK, WHAT EVIDENCE HAVE WE THAT THE NATION-WIDE DRIVE FOR SYPHILIS CONTROL TO WHICH CONGRESS HAS APPROPRIATED MILLIONS OF DOLLARS ANNUALLY FOR HALF A DOZEN YEARS IS MAKING PROGRESS? THE NUMBER OF CASES DISCOVERED AND REPORTED IS NO MEASURE OF THE ACTUAL PREVALENCE OF SYPHILIS AT ANY GIVEN TIME. IT MARKS ONLY THE EXTENT TO WHICH THE LARGE RESERVOIR OF UNDISCOVERED CASES HAS BEEN TAPPED. THESE FIGURES VARY WITH THE DEGREES OF INTENSITY OF EFFORTS FOR BRINGING HIDDEN SYPHILIS TO LIGHT. THE MOST RELIABLE MEASURE OF THE TREND OF SYPHILITIC INFECTION IS THE NUMBER OF CASE [illegible] [illegible] [illegible]ECT[illegible] [illegible] [illegible] COME UNDER [illegible] SUPERVISION. [illegible] THIS [illegible] [illegible] REPORTS [illegible] THAT THE OUTLOOK IN THE UNITED STATES IS VERY ENCOURAGING, AND IT IS [illegible] TH[illegible] IN THE CITY OF NEWARK. THE ACCOMPANYING GRAPH SHOWS A MARK[illegible] [illegible] DROP OF THE CURVE FROM 296 NEW INFECTIONS WHICH CAME TO THE CLINIC IN 1931 TO 100 CASES IN 1935, AND A FURTHER DROP TO ONLY 81 CASES IN 1940. THE RISE TO 136 CASES IN 1941

UNDOUBTEDLY REFLECTS THE EFFECT OF THE WAR. IT IS GRATIFYING TO NOTE THAT THE CURVE HAS TAKEN A DOWNWARD TREND AGAIN IN 1942. THESE FIGURES, INDICATING A MARKED RE[illegible] ON NEW INFECTIONS, ARE PARTICULARLY [illegible] FACT THAT BECA[illegible] OF THE [illegible] BL[illegible]TY REGARDING THE VENEREAL DISEASES IN RECENT YEARS, MEN AND WOMEN MUCH [illegible] SEEK MEDICAL DIAGNOSIS ON SUSPICION OF INFECTION THAN THEY D[illegible] FORMERLY, AND [illegible] CASES OF NEW INFECTION REMAIN UNDISCOVERED.

WE HAVE EQUALLY STRIKING EVIDENCE OF REDUCTION IN THE MOST TRAGIC ASPECT OF SYPHILIS, NAMELY, CONGENITAL INFECTION. A STUDY WAS MADE OF THE NUMBER OF CASES OF SYPH[illegible] IN NEWARK REPORTED ANNUALLY FOR THE TEN YEARS, 1930 TO 1939, AND THE [illegible]CENTAGE OF WHICH WERE TEN YEARS OF AGE OR UNDER, PROBABLY ALL CONGENITAL. [illegible] FIRST FIVE YEARS THE PERCENTAGE WAS 11.9 PER CENT; DURING THE SECOND FIVE YEARS ONLY [illegible] PER CENT. FOR THE YEAR 1942 THE PERCENTAGE OF CONGENITAL SYPHILIS REPO[illegible] ONLY [illegible] PER CENT. [illegible] TH THE WIDESPREAD PUBLIC EDUCATION ON THESE MATTERS TOG[illegible] [illegible] OF THE PRENATAL LAW REQUIRING BLOOD TESTS ON ALL PREGNANT WOMEN, CONGENITAL SYPHILIS SEEMS WELL ON THE WAY TOWARD CONQUEST.

TREND OF EARLY SYPHILIS

NEW CASES RECEIVED IN NEWARK CLINIC - PRIMARY AND SECONDARY



CLINICS REPORT

		1939	1940	1941	1942
SYPHILIS	NEW PATIENTS, MALE	-	427	487	562
	" " FEMALE	-	449	458	345
	TOTAL NEW PATIENTS	-	976	945	907
	PATIENTS TREATED, MALE	3086	2831	27[illegible]8	[illegible]
	" " FEMALE	4406	4047	3772	2557
	TOTAL SYPHILIS PATIENTS TREATED	7492	7854	5960	4[illegible]47
	TREATMENTS GIVEN	118866	85118	55869	46253
	CASES REPORTED FROM NEWARK	3290	2338	2782	3221
	PATIENTS DISMISSED-ARRESTED OR CURED	703	1125	1655	1324
	PATIENTS PUT ON REST	1818	2100	1814	1454
GONORRHEA	NEW PATIENTS, MALE	-	999	519	465
	" " FEMALE	-	254	204	231
	TOTAL NEW PATIENTS	-	1253	723	696
	PATIENTS TREATED, MALE	1740	1112	962	941
	" " FEMALE	966	985	553	316
	TOTAL GONORRHEA PATIENTS TREATED	2706	2095	1515	1257
	TREATMENTS GIVEN	22389	15203	13226	6966
	CASES REPORTED FROM NEWARK	-	-	1105	1942
	SOCIAL SERVICE LETTERS SENT	-	17468	18200	12489
	" " VISITS MADE	29845	37400	36267	37887
SOURCE OF	CONTACTS NAMED	-	-	04	462
INFECTION	" FOUND AND EXAMINED	-	-	64	278
TRACED	" FOUND INFECTIOUS	-	-	26	152

LABORATORY SERVICE

		1940	1941	1942
BLOOD TESTS	FOOD HANDLERS, TOTAL	18851	19595	17546
	POSITIVE	348	363	281
	NEGATIVE OR DOUBTFUL	18503	19232	17265
	DISPENSARY, TOTAL	7963	5836	3753
	POSITIVE	441	295	133
	NEGATIVE OR DOUBTFUL	7512	5541	3620
	DOMESTICS, TOTAL	7546	5549	4305
	POSITIVE	459	426	200
	NEGATIVE OR DOUBTFUL	7087	5123	4105
	SYPHILIS CLINIC, TOTAL	11185	10123	9235
	POSITIVE	7459	6316	4283
	NEGATIVE OR DOUBTFUL	3726	3807	4[illegible]52
	SPECIAL, TOTAL	14442	4872	6240
	POSITIVE	-	152	183
	NEGATIVE OR DOUBTFUL	-	4718	6057
	[illegible], TOTAL	-	65119	121307
	POSITIVE	-	954	2819
	NEGATIVE OR DOUBTFUL		64[illegible]65	18488
	INDUSTRIAL, TOTAL	-	-	2804
	POSITIVE	-	-	95
	NEGATIVE OR DOUBTFUL	-	-	2709
	TOTAL KLINE TESTS	-	111826	165190
	N.C.H. LABORATORY - WASSERMANN	7758	7[illegible]	[illegible]
	" " - KAHN	61380	60317	58467
	TOTAL N.C.H. LABORATORY	69[illegible]38	67333	65543
	TOTAL BLOOD TESTS	129123	179159	296276
	DARKFIELDS	77	93	131
	SPINAL FLUID EXAMINATIONS	707	551	991
	G. C. SMEARS	15790	13969	9615
	G. C. CULTURES, MALE	-	423	1399
	" " POSITIVE	-	105	220
	G. C. CULTURES, FEMALE	-	788	2288
	" " " POSITIVE	-	191	383
	TOTAL CULTURES	-	1211	3679

BACTERIOLOGICAL LABORATORY

DR. H. A. TARBELL, CHIEF BACTERIOLOGIST

A RECAPITULATION OF THE ROUTINE WORK PERFORMED AT THE BACTERIOLOGICAL LABORATORY DURING THE YEAR 1942 IS GIVEN IN THE FOLLOWING TABLE, TOGETHER WITH SIMILAR DATA FOR THE PRECEDING YEARS.

PNEUMONIA TYPINGS HAVE DECREASED OWING TO THE UNIVERSAL USE OF THE SULFA DRUGS IN TREATMENT OF PNEUMONIA.

FOOD ANALYSES AND STOOL EXAMINATIONS HAVE GREATLY INCREASED DUE TO EPIDEMICS OF GASTRO-INTESTINAL INFECTIONS IN LOCAL INSTITUTIONS.

ROUTINE FECES EXAMINATIONS HAVE BEEN CARRIED ON FOR ALL KITCHEN EMPLOYEES OF A MILITARY ORGANIZATION WHOSE HEADQUARTERS IS IN NEWARK, TO WEED OUT POSSIBLE CARRIERS OF TYPHOID, ETC.

EXAMINATIONS AND RESULTS

	1935	1936	1937	1938	1939	1940	1941	1942
DIPHTHERIA CULTURES - - - - -	8404	7806	6733	6901	7335	6841	6174	5080
" " POS. - -	17	9	4	7	4	0	0	0
TUBERCULOSIS SPUTA - - - - -	2234	2135	2034	2335	2394	2354	6201	5028
" " POST. - -	339	304	267	288	236	244	269	308
TYPHOID (WIDALS) - - - - - -	1092	781	740	580	515	330	333	139
" " POS. - - - -	238	143	70	75	79	33	40	5
DOG BRAIN (RABIES) - - - - -	32	34	16	168	165	74	72	35
POS. OUT-OF-TOWN - - - - - -	0	0	0	21	29	21	6	7
" NEWARK DOGS - - - - - -	0	0	0	86	64	14	24	1
VINCENT'S ANGINA SMEARS - - -	1629	1188	1349	2262	1813	1663	1516	3730
" " " POS. -	334	357	467	641	454	406	398	794
GONORRHOEA SMEARS - - - - - -	14145	15200	17155	20591	19886	19409	17976	9484
" " POS. - - - -	1471	1436	1710	1580	1465	1283	1502	595
WATER EXAMINATIONS - - - - -	702	746	882	829	694	614	798	622
MILK " - - - - -	3418	3189	3250	2917	2603	7431	6648	5279
ICE CREAM ETC. " - - - - - -	465	254	217	255	253	216	293	142
SHELL FISH " - - - - - -	105	67	77	81	36	63	48	33
SWABBINGS FROM BEVERAGE GLASSES, ETC. - - - - -	-	-	264	340	372	418	979	1434
DOG BITE INVESTIGATIONS - - -	1900	2256	2296	2936	2980	2592	2594	2110
PASTEUR TREATMENTS GIVEN - -	0	2	0	64	38	9	25	1

MISCELLANEOUS EXAMINATIONS

	1941	1942
EXAMINATIONS FOR FOOD POISONING - - - - - - - - - - -	62	83
" " UNDULANT FEVER - - - - - - - - - - -	11	30
" OF FECES - - - - - - - - - - - - - - -	46	101
PNEUMONIA TYPINGS - - - - - - - - - - - - - - - - - -	210	116

SEROLOGICAL LABORATORY

DR. H. S. MARTLAND, PATHOLOGIST

THE SEROLOGICAL LABORATORY DURING THE YEAR MADE A TOTAL OF 79,994 EXAMINATIONS. THIS IS IN ADDITION TO BLOOD TESTS PERFORMED BY THE VENEREAL DISEASE LABORATORY.

THE TEST USED IN THIS LABORATORY FOR THE DETECTION OF SYPHILIS ARE THE WASSERMANN REACTION, USING THE KOLMER STANDARDIZED TECHNIQUE, AND THE PRECIPITATION TEST OF KAHN. KAHN TESTS ARE PERFORMED ON ALL BLOOD SPECIMENS SUBMITTED. IF NEGATIVE, THEY ARE SO REPORTED AND NO OTHER TESTS ARE PERFORMED. IF THE KAHN TESTS ARE POSITIVE OR SUSPICIOUS, WASSERMANN TESTS USING THE KOLMER TECHNIQUE, ARE PERFORMED. ALL SPINAL FLUIDS ARE TESTED BY THE WASSERMANN PROCEDURE.

IN REGARD TO PRIVATE LABORATORIES PERFORMING VARIOUS TESTS FOR SYPHILIS IN HEALTH WORK, I AM OF THE OPINION THAT ALTHOUGH EVERYONE WOULD LIKE TO HELP PRIVATE LABORATORIES WHICH ARE APPROVED BY THE STATE, IT SHOULD NOT BE LOST SIGHT OF THAT THE SEROLOGICAL DIAGNOSIS OF SYPHILIS IS A PUBLIC HEALTH PROBLEM. THE SMALL NUMBER OF PEOPLE ABLE TO PAY PRIVATE LABORATORY FEES IS A NEGLIGIBLE FACTOR. FOR THESE REASONS AND MANY OTHERS, THE STATE AND LARGER MUNICIPALITIES MUST TAKE CARE OF THIS IMPORTANT PUBLIC HEALTH WORK.

THE SMALL NUMBER OF DARKFIELD EXAMINATIONS MADE FOR THE DIAGNOSIS OF THE PRIMARY LESION IS READILY EXPLAINED BY THE FACT THAT MOST OF THESE CASES ARE SEEN IN THE SYPHILIS CLINIC OF THE CITY DISPENSARY, WHERE THESE TESTS ARE REGULARLY BEING MADE.

NUMERICAL SUMMARY OF WORK PERFORMED

	1937	1938	1939	1940	1941	1942
BLOOD WASSERMANNS - KOLMER TECHNIC - - -	12,608	10,941	7,206	6,104	5,767	5,983
" " " " POS. -	4,552	3.269	2,467	2,091	2,265	2,394
SPINAL FLUID WASSERMANNS - - - - - - - -	982	1,014	1,165	1,454	1,249	1,096
" " " POS. - - - - - - -	74	95	108	109	84	81
KAHN PRECIPITATION TESTS - - - - - - - -	45,457	57,560	61,115	61,380	60,317	58,467
" " " POS. - - - - - - -	6,514	8,951	9,577	7,293	6,419	5,935
DARKFIELD EXAMINATIONS - - - - - - - - -	38	15	5	20	18	25
" " POS. - - - - - - -	6	5	3	15	12	14
SMEARS FOR GONOCOCCI (FROM CITY HOSP. ONLY)	3,293	4.115	4,141	5,263	4,620	4,462
" " " POS. - - - - - - - - -	180	112	192	755	188	161
ROUTINE SEROLOGICAL EXAMS. (SPINAL FLUID) (INCLUDING CELL COUNT, GLOBULIN, GOLD SOL AND BACTERIOLOGICAL EXAMINATION)	471	675	817	856	903	1,361
HETEROPHILE ANTIBODY TESTS - - - - - - - -	-	-	-	-	37	13
" " " POS. - - - - - -	-	-	-	-	8	2
T O T A L EXAMINATIONS - - - - - - -	62,849	74,320	74,449	75,104	72,911	79,994

SOURCE OF BLOOD SPECIMENS FOR SEROLOGICAL DIAGNOSIS OF SYPHILIS

NEWARK CITY HOSPITAL (CHIEFLY AS EXCLUSION TEST) PLUS BLOOD DONORS	8,900	8,250
NEWARK CITY DISPENSARY (ROUTINE FOR ALL PATIENTS) AND TO CONFIRM TESTS OF FOOD HANDLERS AND DOMESTICS - - - - - - - -	12,158	10,772
OTHER HOSPITALS IN NEWARK - - - - - - - - - - - - - - - - - - -	5,568	3,916
PHYSICIANS OF NEWARK (FROM PRIVATE AND CHARITY HOME PATIENTS) - -	33,204	35,374
PRENATAL TESTS (REQUIRED BY LAW) - - - - - - - - - - - - - - - -	8,023	8,903
PREMARITAL TESTS (REQUIRED BY LAW OF 1938) - - - - - - - - - - - -	13,098	13,553

CHEMICAL LABORATORY

HALSEY DURAND, CITY CHEMIST

ANALYSES FOR 1942 NUMBERED 9,897, AN INCREASE OF 595 AS COMPARED WITH 1941. THE INCREASE WAS MAINLY PHOSPHOMONOESTERASE TESTS AND ROUTINE MILKS.

IN MONTHLY SAMPLES OF WATER FROM DIFFERENT LOCALITIES OF THE PEQUANNOCK AND WANAQUE SUPPLY SYSTEMS, IRREGULARITIES WERE FOUND AT POINTS IN THE TWO SYSTEMS AND INVESTIGATIONS AS TO CAUSE WERE RECOMMENDED. THESE IRREGULARITIES WERE EXPLAINED BY ADDITIONS MADE TO THE WATER FOR PURIFICATION PURPOSES. ANALYSES OF LOCAL FAUCET SAMPLES SHOWED THEM TO BE OF ABOUT THE USUAL HIGH STANDARD OF PURITY. IN ADDITION TO MILKS, CREAMS AND ICE CREAMS, FOODS OF PRACTICALLY EVERY DESCRIPTION WERE ANALYZED FOR ADULTERATION, INJURIES INGREDIENTS (CAUSING ILLNESS), PRESERVATIVES, ARTIFICIAL COLOR, POISONOUS METALS, FOREIGN SUBSTANCES, ARTIFICIAL FLAVORS, CONFORMITY TO STANDARD, FITNESS FOR HUMAN CONSUMPTION AND COMPOSITION INCLUDED WERE BUTTER, OLIVE OIL, CHOPPED MEAT AND CANDY, SOAP, IODINE, FISH, BEETS, CAKE AND PEPPER. SAMPLES OF CITY WATER FROM LOCAL FAUCETS WERE FOUND TO BE OF THE USUAL HIGH STANDARD OF PURITY. SAMPLES FROM SPRINGS, DRIVEN AND DUG WELLS AND THE PASSAIC RIVER WERE ALSO ANALYZED. SWIMMING AND WADING POOLS WERE ANALYZED FOR AVAILABLE CHLORINE. PHOSPHOMONOESTERASE TESTS FOR IMPROPER PASTEURIZATION WERE RUN ON ALL ROUTINE MILKS. ONLY 10 OUT OF 4,651 SHOWED INDICATION OF FAULTY PASTEURIZATION.

SUMMARY OF EXAMINATIONS BY YEAR

YEAR	TOTAL	MILK	CREAM	ICE CREAM	WATER	MISCL.	PHOSPHOTASE TEST
1932	9312	7290	1384	112	447	80	-
1933	8931	7003	865	232	583	248	-
1934	6994	4804	203	448	493	1046	-
1935	6040	4636	147	387	629	241	-
1936	5624	4488	132	244	537	223	-
1937	6023	4882	184	248	557	152	-
1938	4986	4004	119	197	497	169	-
1939	4118	2977	94	222	493	171	161
1940	7906	3365	93	211	444	161	3632
1941	9302	3877	85	232	662	322	4124
1942	9897	4284	74	178	575	135	4651

MILK SAMPLES

	1936	1937	1938	1939	1940	1941	1942
TOTAL MILKS (ROUTINE) - - - - - - - -	4488	4882	4004	2977	3365	3877	4284
" " SEALED - BELOW STD. - -	1	5	0	1	2	3	33
" " UNSEALED " " - -	0	0	1	0	0	5	20
AVE. SOLIDS ABOVE STANDARD (MILK) -	12.56	12.69	12.95	12.66	12.73	12.99	12.93
" " BELOW " " - -	11.38	11.19	9.85	10.91	10.43	11.08	10.99
" " ALL SAMPLES " - -	12.55	12.68	12.94	12.66	12.72	12.99	12.92
AVE. FAT - ABOVE STANDARD (MILK) -	3.66	3.66	3.76	3.66	3.74	3.92	4.04
" " BELOW " " - -	2.90	2.30	1.50	2.14	1.58	3.15*	2.94
" " ALL SAMPLES " - -	3.66	3.66	3.75	3.66	3.74	3.94	3.97

* THE FAT IN % BELOW STANDARD IS HIGHER BY REASON OF THE FACT THAT LOW CERTIFIED MILKS, THE STANDARD FOR SOME OF WHICH IS 4.00% AND FOR OTHERS 3.50%, AND ALSO THE LOW GRADE A MILKS, THE NEW JERSEY STATE MILK CONTROL STANDARD FOR WHICH IS 3.50%, ARE INCLUDED IN THE BELOW STANDARD AVERAGE, ALTHO ABOVE THE ORDINARY STANDARD OF 3.00%.

CREAM AND ICE CREAM SAMPLES

	1936	1937	1938	1939	1940	1941	1942
CREAM SAMPLES - - - - - - - - - - - -	132	184	119	94	93	88	74
" " BELOW STANDARD - - - -	2	0	0	0	0	2	0
ICE CREAM SAMPLES - - - - - - - - - -	244	248	197	222	211	232	178
" " " BELOW STANDARD - -	2	7	14	14	4	6	3